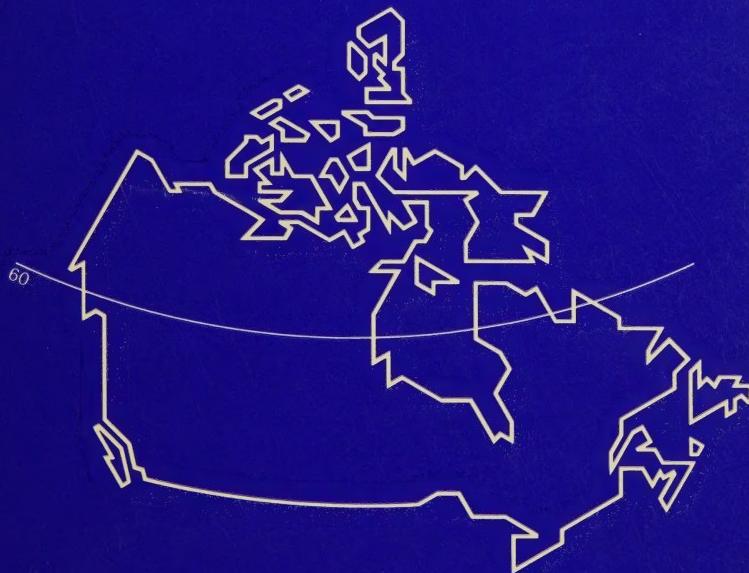


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POPULATION PROJECTIONS OF  
THE YUKON TERRITORY TO 1981

CHANG-MEI LU

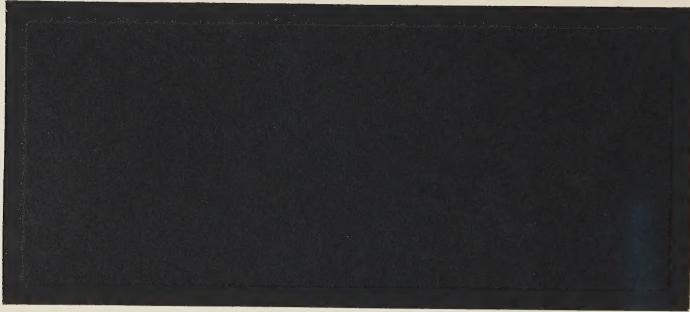


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The purpose of this study is to assess the Yukon population changes in the past years and to estimate and project the Yukon population by sex, age, and ethnic group for the 1975-81 period.

A BRIEF POPULATION PROJECTIONS OF THE YUKON TERRITORY TO 1981

CHANG-MEI LU

The basic data in this study are from the 1971 census program for the population projections by the constant method are set up to make between the 1971 census population by age, sex, and ethnic groups to 1981. The projected populations for the Yukon territory between the years as of June 1 of each year.

Since it is difficult to predict the future trends in the composition of population, the projections are not intended to be firm but to give an idea of the actual population as far as possible. The population projections presented in this study were based on factors which underlie the major population changes. The projections are conditional in the sense that the projected future size and approximate structure of the Yukon population will be attained only if the underlying assumptions are satisfied.

Regional Planning Section,  
Policy and Planning ACND Division,  
Northern Policy and Program  
Planning Branch,  
Department of Indian Affairs and  
Northern Development.

May, 1975.



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## SUMMARY

The purpose of this report is to examine the Yukon population changes in the past years and to estimate and project the Yukon population by age, sex, and ethnic group for the 1972-81 period.

A component method of projection, involving separate projections of fertility rate, mortality rate and net migration, has been used in this study. A simulation program for the population projections by the component method was set up to carry forward the 1971 census population by age, sex, and ethnic group to 1981. The projected populations for the Yukon Territory represent the level as of June 1 of each year.

Because of uncertainty about the future behaviour of each component of population change, the projections are not intended to be forecasts or predictions of the actual population at future dates. The population projections presented in this study were based on various assumptions underlying the components of population change. The projections are conditional in the sense that the projected future size and age-sex-ethnic structure of the Yukon population will be attained only if the underlying assumptions are fulfilled.

A total of twenty-three series of population projections, each based on a different combination of assumptions, are presented in this study to provide users a wide range of future



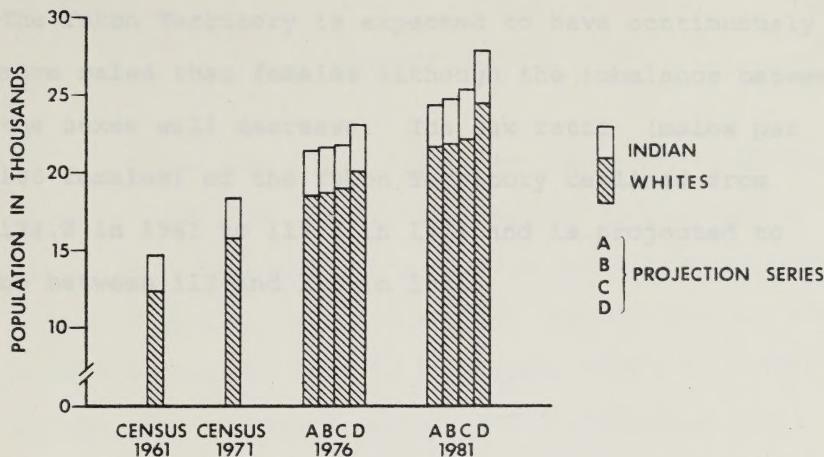
size of the Yukon population. Four series representative of the range of projections are presented in detail in Appendix 10. The assumptions underlying these four projection series are summarized as follows:

	<u>Projection Series</u>			
	A	B	C	D
<b>Fertility Rate</b>				
Indian	Medium	Medium	Medium	High
Whites	Medium	Medium	Medium	High
<b>Mortality Rate</b>				
Indian	High	Medium	Low	Low
Whites	High	Medium	Low	Low
<b>Annual Number of Net Migration</b>				
Indian	-20	-20	-20	0
Whites	300	300	300	500

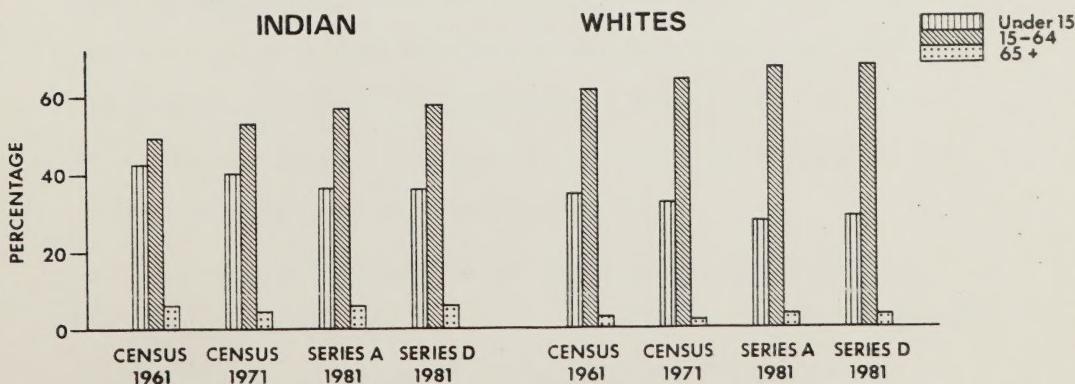
Based on these assumptions, the projected size of the Yukon population and the expected change in the age-sex-ethnic structure of the Yukon population are summarized as follows:

1. The population of the Yukon Territory was 14,628 in 1961 and 18,385 in 1971, and is expected to range from 21,514 to 23,090 in 1976 and from 24,612 to 27,928 persons in 1981. The average annual growth is expected to be between 3.18% and 4.66% during the period of 1971-76 and in the range of 2.73% to 3.88% over the period 1976-81 as compared to 2.31% for the period 1961-71.





2. The proportion of Indians in the population will decline from 14% in 1971 to 13% in 1976 and 12% in 1981.
3. The proportion of the population under 15 years of age for both Indians and Whites is projected to decrease consistently over the 1971-81 period. This decrease will be accompanied by an increase in the proportion of the working age population (15-64) for both groups.





4. The Yukon Territory is expected to have continuously more males than females although the imbalance between the sexes will decrease. The sex ratio (males per 100 females) of the Yukon Territory declined from 126.8 in 1961 to 117.2 in 1971 and is projected to be between 112 and 115 in 1981.



#### ACKNOWLEDGEMENT

The author would like to thank Mr. J. Silins, Chief of the Vital Statistics Section of Statistics Canada and his staff for providing the birth and death data. I am also grateful to Mrs. Dorothy Herring and Miss J.A. Rooney, both of the Census Field of Statistics Canada, for supplying census data and intercensal population estimates, and to Mr. T.F. Duncan, Administrator, Health Service Branch of the Government of the Yukon Territory, for making the Health Master Tape available in deriving the age-sex pattern of migrants.

The author would like to express her gratitude to the following persons who provided me with the computer work: Mr. Russell Cormier, Miss B.J. McGinn and Mrs. E. Sinclair, Computer Information System Division, Department of Indian and Northern Affairs. I would also like to express my deep appreciation to Miss M. Helman and Mrs. A. Henry of the Policy and Planning ACND Division for their assistance in calculation and to Mrs. T. Lowe, Miss Francis Walker and Mrs. P. O'Donoghue for typing the drafts as well as the final manuscript.

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## I. INTRODUCTION

Fundamental for meaningful economic and social planning in both the public and private sector is a consideration of the size and structure of the population in the future. Planning in such areas as education, employment, medicare, housing etc. must take into consideration future population trends. With this in mind, the present study attempts to estimate the size of the Yukon population by age, sex and ethnic group from 1972 to 1981.<sup>1/</sup>

A component method of projection, involving separate projections of fertility rate, mortality rate and net migration, has been used in this population projection. The 1971 Census population of the Yukon Territory by five year age group, sex and ethnic group is used as the base data for the projection of 1981. By the use of Sprague's multipliers, the projections of population by single years of age and sex for Indians and Whites for the projection years as of June 1 are obtained.<sup>2/</sup>

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<sup>1/</sup> There are two other studies in which the projections were not shown by age, sex and ethnic group. See D.C. Emerson Mathurin and Normand Lafréniere, "The Supply of and the Demand for Labour in the Yukon and the Northwest Territories", Department of Indian Affairs and Northern Development, May 1971 and Statistics Canada, "Population Projections for Canada and the Provinces, 1972-2001", Catalogue 91-514 Occasional, Information Canada, Ottawa, June 1974.

<sup>2/</sup> The projections of population by single years of age, sex and ethnic group are not published in the report but can be obtained upon request.



Because of the uncertainty about the future behaviour of each component of population change, the projections are not intended to be forecasts or predictions of the actual population at future dates, but rather estimates based on certain assumptions. Users of these projections should also realize the implicit assumption that there will be no catastrophic events (e.g. a war or a natural disaster) which would seriously affect mortality, fertility and migration during the projection period.

Section II of the study provides a brief review of population change in the Yukon Territory, as well as age, sex and ethnic composition of the Yukon population in the past years.

Section III contains analysis of the data, description of the methodology and the assumptions employed to project the basic components of population change in the Yukon Territory to 1981. The selected series of the population projections are presented in Section IV. Section V is devoted to a few concluding remarks on the projection results.



## II. DEMOGRAPHIC BACKGROUND OF THE YUKON TERRITORY

The object of this chapter is to describe the basic features of population changes in the past decades and to indicate the relative contribution of the components of population changes to the total population. The age, sex and ethnic composition of the Yukon population will also be examined.

### A. Population Trend (1901-1971)

Examination of historical data presented in Table 1 reveals that the Yukon Territory had experienced a fluctuating pattern of population changes during the period of 1901-1971 as compared to the Northwest Territories and Canada where there was a steady increase in the total population. The early decades of this century were a period of declining population in the Yukon. Population dropped from 27,000 in 1901, still at the peak of the gold rush, to 8,500 in 1911 and 4,200 in 1921. For the next 30 years, the population remained fairly constant at four to five thousand. From 1941 to 1951, the population doubled from 4,900 to 9,100, representing an average annual growth rate of 6.4%. This largest increase since gold rush was attributed primarily to heavy influx of construction workers



TABLE 1

TOTAL POPULATION AND AVERAGE ANNUAL GROWTH RATE OF POPULATION,  
YUKON TERRITORY, NORTHWEST TERRITORIES AND CANADA, 1901-1971

Year (at June)	Yukon			Northwest Territories			Canada		
	Population (No.)	Av. Annual Growth Rate (%)	Population (No.)						
1901	27,219		20,129				5,371,315		
1911	8,512	-11.0	6,507	-10.7			7,206,643		3.0
1921	4,157	-6.9	8,143	2.3			8,787,949		2.0
1931	4,230	0.2	9,316	1.4			10,376,786		1.7
1941	4,914	1.5	12,028	2.6			11,506,655		1.0
1951	9,096	6.4	16,004	2.9			14,009,429		2.0
1956	12,190	6.0	19,313	3.8			16,080,791		2.8
1961	14,628	3.7	22,998	3.5			18,238,247		2.5
1966	14,382	-0.4	28,738	4.6			20,014,880		1.9
1971	18,390	5.0	34,805	3.9			21,568,310		1.5

Note: The sharp decrease in the population of the Northwest Territories between census years 1901 and 1911 is due to the separation from the Territories of vast areas to form the Provinces of Alberta and Saskatchewan.

## Source:

1. Dominion Bureau of Statistics, Canada Yearbook, Annual Publication, Queen's Printer and Controller of Stationery, Ottawa.
2. Statistics Canada, 1971 Census of Canada, Population by Age Group, Catalogue 92-715, Vol. 1, Part 2, April 1973.



and military personnel.<sup>1/</sup>

In the late 1950's and early 1960's, under the stimulus of government assistance for mineral exploration and development, the Yukon economy began to expand. The population increased from 9,100 in 1951 to 14,600 in 1961. The trends of the 1950's were offset between 1961 and 1966 by the withdrawal of military personnel and other federal employees and as a result population declined slightly to 14,400 in 1966.<sup>2/</sup> Since 1966, the Yukon population has grown at an average growth rate of 5.0% per annum, considerably higher than in both the Northwest Territories (3.9%) and in Canada as a whole (1.5%).

The variation in population growth of the Yukon Territory can be explained by two factors, natural increase

---

<sup>1/</sup> D. Wm. Carr & Associates Ltd., The Yukon Economy: Its Potential for Growth and Continuity, Vol. 1, Final Report, prepared for Department of Indian Affairs and Northern Development and the Government of the Yukon Territory, Ottawa, November, 1968.

<sup>2/</sup> Full time employees of the Department of National Defence in the Yukon Territory decreased from 1,413 in 1961 to 367 in 1966, whereas total federal government full time employment was 1,913 in 1961 and decreased to 1,205 by 1966. See Department of Indian Affairs and Northern Development, Government Activities in the North, 1961 to 1966, Advisory Committee on Northern Development, 1962 to 1967.



(i.e., births minus deaths) and net migration.<sup>1/</sup> The data presented in Table 2 indicate the contribution of both migration and natural increase to total population change in the Yukon Territory. Natural increase grew rapidly during 1931-61 and declined thereafter. As the contribution of migration declined considerably over the period of 1931-61, the contribution of natural increase to the population growth increased. During 1961-66, the loss in the Yukon population was attributed to the out-migration of 2,267 which was larger than the natural increase of 2,021. Conversely, the large influx of migrants to the Yukon Territory during 1966-71 resulted in a rapid increase in population. This inflow contributed 58.81% of the total population growth in the Yukon Territory during that period. The dramatic changes in the Yukon population over the period of 1901-71 were mainly attributable to migration.

#### B. Age-Sex Composition

Change in age composition affects other characteristics

---

<sup>1/</sup> The terms "immigration" and "emigration" are usually restricted to international migration, while "in-migration" and "out-migration" are the corresponding terms used to describe internal migration. "Net-migration", as used in this study, refers to the excess of in-migration over out-migration, whether the movement is international or interprovincial.



TABLE 2

## COMPONENTS OF POPULATION CHANGES, YUKON TERRITORY, CENSUS YEAR 1931-71

Period	Population Increase	Natural Increase		Net Migration	
		Total Number	As a % of Population Increase	Total Number	As a % of Population Increase
1931-41	684	-71	-10.38	755	110.38
1941-51	4,182	985	23.55	3,197	76.45
1951-56	3,094	1,682	54.36	1,412	45.64
1956-61	2,438	2,101	86.18	337	13.82
1961-66	-246	2,021	821.54	-2,267	-921.54
1966-71	4,008	1,651	41.19	2,357	58.81

Source: 1. Table 1 of this report.

2. Statistics Canada, Vital Statistics, Preliminary Annual Report, 1971,  
Catalogue 84-201, March, 1973.



of the population such as school enrollment status, marital status, labour force status, etc. The proportion of population under 15 years of age indicates the number of young persons prior to their entrance into the labour force. The other three age groups of 15-24, 25-44, and 45-64 reflect different stage of adulthood in relation to marital status and labour force status. The last category, 65 years of age and over, is the proportion of aged population in the period of retirement.

Figure 1 depicts the temporal changes in the selected age groups of the Yukon population over the period 1921-71. The proportion of the youth population increased steadily from 20.55% in 1921 to 37.61% in 1966 and declined slightly to 34.61% in 1971. The increase in the proportions during the period of 1921-66 was attributed to the rapid growth in natural increase from minus 71 in the period 1931-41 to 2,101 in the period 1956-61 (see Table 2). On the other hand, the decrease in the proportion of population under 15 between 1966 and 1971 resulted from a considerable decline in the fertility rate between the period 1951-56 and the period 1966-71.<sup>1/</sup>

Except for the period 1956-61, the proportion of population aged 15-24 years in the Yukon Territory increased constantly between 1921 and 1971. Also, there was a

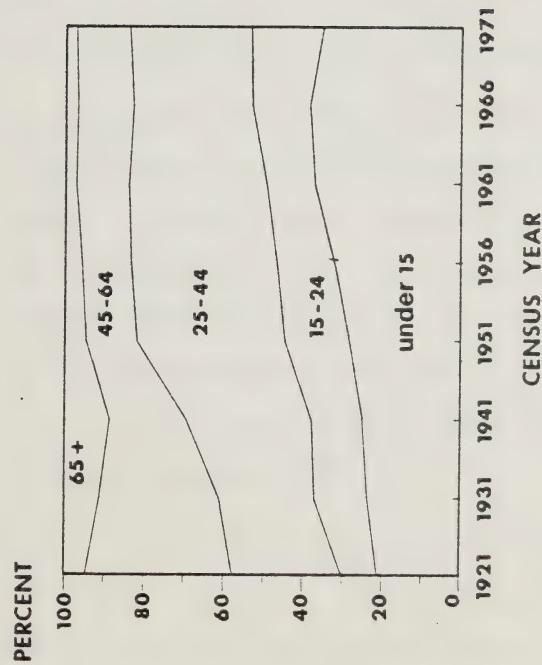
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<sup>1/</sup> See Statistics Canada, Vital Statistics, Preliminary Annual Report, 1971, Catalogue 84-201, (March 1973).



FIGURE 1

PERCENT DISTRIBUTION OF THE YUKON POPULATION  
BY SELECTED AGE GROUP, 1921-71



Source: Statistics Canada, 1971 Census of Canada, Population by Age Groups, Catalogue 92-715, Vol.1, Part 2, April 1973.



significant increase in the proportion of population between 25 and 44 years of age during the 1921-51 period. This increase was accompanied by a decline in the proportion of persons aged 45-64 years during the same period. The proportion of persons 65 years of age and over increased between 1921 and 1941, but decreased thereafter. The changes in age composition are of course a reflection of trends in the birth rate and migration in the Yukon Territory.

The Yukon population has always been characterized by an excess of males over females, although this excess has been greatly reduced in recent years. Since 1921, the sex ratio (males per 100 females) of the Yukon population has declined continuously from 210.7 to 117.2 in 1971.<sup>1/</sup> As compared to 110.6 in the Northwest Territories and 100.2 in Canada as a whole in 1971, there is still significant sex imbalance in the Yukon Territory.<sup>2/</sup>

The sex ratio by age group in the Yukon Territory vary widely around the overall average. For example, in 1951, for the group 70 years of age and over, there was an extraordinarily high sex ratio of 353.2 as compared to 102.3 for the age group of

---

<sup>1/</sup> These figures were calculated from Statistics Canada, Vital Statistics, p. 11.

<sup>2/</sup> Sex ratios below 90 or above 115 are regarded as out of balance. See Ralph Thomlinson, Population Dynamic, Causes and Consequences of World Demographic Change, Random House, Inc., New York, 1965, p. 430.



10 to 14 (see Appendix 1). In the Yukon Territory, as elsewhere, more males are born than females and for most age groups the death rate for males tend to be higher than for females. Accordingly, it is expected the Yukon population would have a slight excess of males in the younger age group, approximately equal numbers in the middle age group, and an excess of females in the old age group. In fact, the sex ratios in most age groups were quite high (see Appendix 1). This is undoubtedly the result of heavy in-migration and because mining activity tends to attract unmarried males.<sup>1/</sup>

Shifts in the age-sex distribution of the Yukon population between 1961 and 1971 is illustrated in Figure 2. The decrease in the population of the 0-4 age group resulted from a rapid decline in the birth rate during the 1957-61 and 1967-71 periods. There are concavities at ages 15 to 19 in the 1961 age-sex pyramid on both the male and female sides. These concavities are caused by the shortage of males during the Second World War.

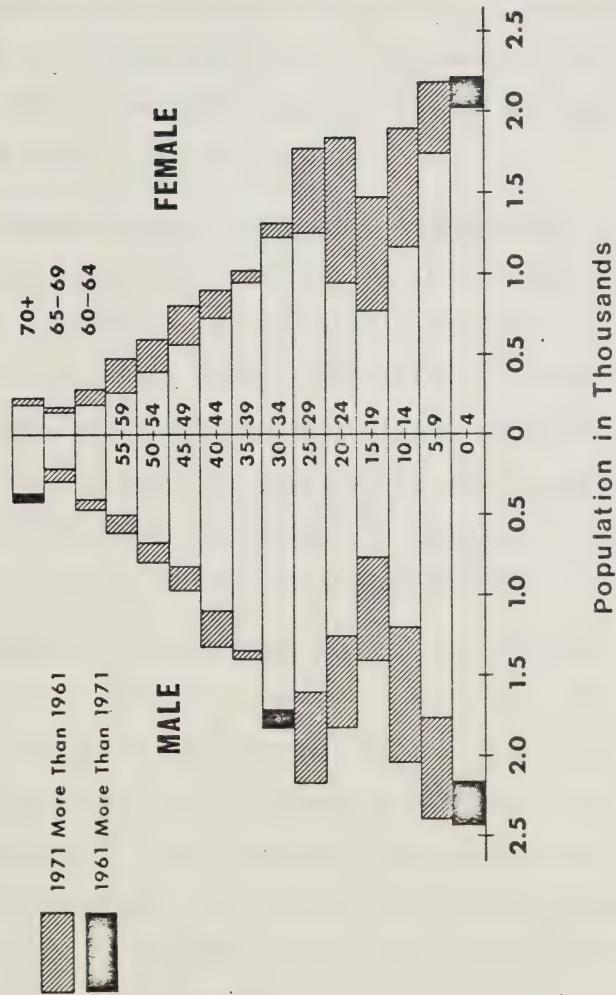
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<sup>1/</sup> See Chun-Yan Kuo and Chang-Mei Lu, "A Study of Migration Behaviour in the Mackenzie District of Northern Canada", Department of Indian Affairs and Northern Development, (May, 1975).



FIGURE 2

## AGE-SEX PYRAMID, YUKON TERRITORY, 1961-71

**Source of Data:**

Statistics Canada, 1971 Census of Canada,  
Population by Age Group, Cat. No. 92-715,  
Vol. 1, Part 2, April 1973.



Without any external effect, there would be concavities in the 25-29 age group in the 1971 pyramid because persons of 15 to 19 in 1961 moved upward to the 25-29 age group by 1971. However, as a result of migration, there are bulges in the 25-29 age group in 1971 pyramid on both the male and female sides. A similar explanation can be applied to the 20-24 and 30-34 age groups in 1971.

### C. Ethnic Composition and Population Characteristics

The population of the Yukon Territory can be divided into two main categories, Native Indian and White. Native Indian, according to the Census definition of Statistics Canada, includes Métis who have identified themselves as such. The term "Whites" includes mainly white people but also a negligible number of Eskimos.<sup>1/</sup> Throughout this study, the two ethnic terms, Indian and Whites, are used.

Population of Indian and Whites in the Yukon Territory over the period of 1901-71 is shown in Figure 3. During this period, the Indian population was fairly stable in contrast to the White population which decreased strikingly in the period 1901-31 and increased again in the 1931-71 period. Marked changes in the total territorial population over the period 1901-71 were due mainly to substantial fluctuations in the White population. Accordingly, the

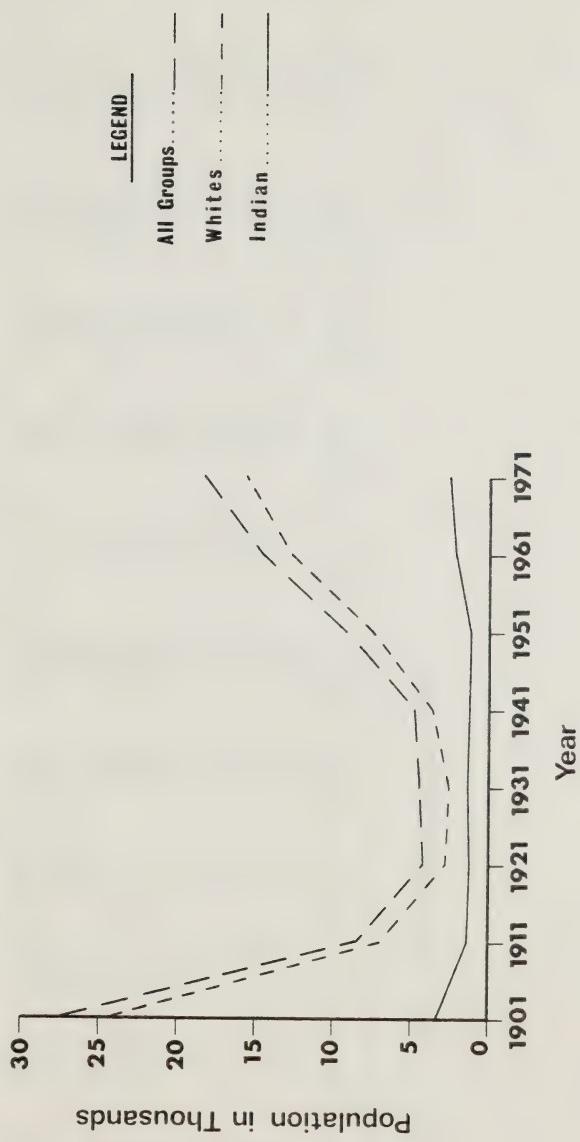
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<sup>1/</sup> There were 10 Eskimos in 1961 and none in 1971 in the Yukon Territory.



FIGURE 3

YUKON POPULATION BY ETHNIC ORIGIN  
1901-1971



SOURCE: (1) Dominion Bureau of Statistics, Census of Canada,  
Queen's Printers and Controller of Stationery, Ottawa.

(2) Statistics Canada, 1971 Census of Canada, Population by Ethnic Group,  
Catalogue 92-723, Vol. 1, Part 3, (October 1973).



TABLE 3

## POPULATION OF THE YUKON TERRITORY BY ETHNIC GROUP, AGE AND SEX, 1961

Age Group	Indian			White			All Groups			Canada		
			%	Male	Female	Total	% Dist.	Male	Female	Total	% Dist.	% Distribution
	Male	Female	Total	Dist.	Male	Female	Total	Dist.	Male	Female	Total	
0-4	205	192	397	18.3	1,013	927	1,940	15.8	1,218	1,119	2,337	16.0
5-9	153	158	311	14.4	730	720	1,450	11.6	883	878	1,761	12.0
10-14	120	110	230	10.6	486	471	957	7.7	606	581	1,187	8.1
15-19	93	123	216	10.0	289	260	549	4.4	382	383	765	5.2
20-24	86	88	174	8.0	551	384	935	7.5	637	472	1,109	7.9
25-29	54	82	136	6.3	752	544	1,296	10.4	806	626	1,432	7.6
30-34	60	68	128	5.9	841	555	1,396	11.2	901	623	1,524	9.8
35-39	53	55	108	5.0	641	458	1,099	8.8	694	513	1,207	7.0
40-44	40	47	87	4.0	508	316	824	6.6	548	363	911	6.2
45-49	48	31	79	3.7	369	254	623	5.0	417	285	702	4.8
50-54	29	41	70	3.2	308	163	471	3.8	337	204	541	3.7
55-59	23	18	41	1.9	231	119	350	2.8	254	137	391	4.7
60-64	22	22	44	2.0	174	68	242	1.9	196	190	286	2.0
65-69	15	33	48	2.2	86	46	132	1.1	101	79	180	1.2
70+	44	54	98	4.5	154	43	197	1.6	198	97	295	2.7
Total	1,045	1,122	2,167	100.0	7,133	5,328	12,461	100.0	8,178	6,450	14,628	100.0

Source: Dominion Bureau of Statistics, 1961 Census of Canada.



TABLE 4  
POPULATION OF THE YUKON TERRITORY BY ETHNIC ORIGIN, AGE AND SEX, 1971

Age Group	Indian				Whites				All Groups			Canada	
	Male	Female	Total	% Dist.	Male	Female	Total	% Dist.	Male	Female	Total	% Dist.	% Dist.
Under 1	40	40	80	3.1	205	180	385	2.4	245	220	465	2.5	1.6
1 - 4	140	120	260	10.1	700	685	1,385	8.8	840	805	1,645	9.0	6.8
5 - 9	205	185	390	15.1	995	905	1,900	12.0	1,200	1,090	2,290	12.5	10.4
10-14	155	170	325	12.6	850	785	1,635	10.3	1,005	955	1,960	10.7	10.7
15-19	115	130	245	9.5	590	605	1,195	7.6	705	735	1,440	7.8	9.8
20-24	90	110	200	7.8	825	820	1,645	10.4	915	930	1,845	10.0	8.8
25-29	100	95	195	7.6	970	785	1,755	11.1	1,070	880	1,950	10.6	7.3
30-34	60	85	145	5.6	800	570	1,370	8.7	860	655	1,515	8.2	6.1
35-39	60	75	135	5.2	610	405	1,015	6.4	670	480	1,150	6.3	5.9
40-44	65	60	125	4.8	600	390	990	6.2	665	450	1,115	6.1	5.9
45-49	45	50	95	3.7	440	345	785	5.0	485	395	880	4.8	5.7
50-54	40	50	90	3.5	350	245	595	3.8	390	295	685	3.7	4.9
55-59	40	35	75	2.9	270	205	475	3.0	310	240	550	3.0	4.4
60-64	40	30	70	2.7	195	105	300	1.9	235	135	370	2.0	3.6
65-69	25	30	55	2.1	120	50	170	1.1	145	80	225	1.2	2.9
70 +	45	50	95	3.7	135	70	205	1.3	180	120	300	1.6	5.2
Total	1,265	1,315	2,580	100.0	8,655	7,150	15,805	100.0	9,920	8,465	18,385	100.0	100.0

Source: Statistics Canada, Census Division, Demographic and Social Characteristics Section.



ratio of the Indian population to the total population in the Yukon Territory fluctuated as a result of variations in the population of Whites. The White population tends to vary with the level of migration, which in turn depends upon the level of economic activity in the Territory.

In addition to the change in the population size, the sex ratios and age compositions are also different for both ethnic groups (see Tables 3 and 4). The proportions of the Indian population aged 0-4 and over 64 were higher than those of Whites in both 1961 and 1971. As might be expected, for both years, the White population had a much higher percentage of persons aged 25-44 than did the Indian population.

It is interesting to note that there was an excess of White males over females as opposed to an excess of Indian females in both 1961 and 1971. The high sex ratio of Whites was due primarily to net migration. Because of the difference in the characteristics of the Indian and the White populations, separate projections for each ethnic group will be made.



### III. METHODOLOGY AND ASSUMPTIONS

In this section are described the methodology and assumptions used to project the population growth to 1981 for the Yukon Territory.

#### A. Methodology

Generally speaking, the method adopted for making the population projection depends mainly on the need and the data available. The various methods used for subnational projections includes: mathematical method; ratio method; method employing economic indicators; and the component method.<sup>1/</sup> The mathematical methods include extrapolation of a series of census data and postcensal estimates by means of arithmetic progression, geometric progression, a logistic curve or other mathematical expression. The mathematical method is used to project the total population. Accordingly, it does not show the accompanying changes in population structure such as distribution by age, sex and race.

The ratio method of projecting total population is peculiar to projection for geographic subdivision. In this method, ratios of the population in a geographic area to that of a large area are observed, projected to the future date and

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<sup>1/</sup> For a description of these various methods, see Henry S. Shryock, Jacob S. Siegel and Associates, The Methods and Materials of Demography, U.S. Government Printing Office, Washington, D.C., Vol. 2, 1971.



then applied to the projections for the large area.<sup>1/</sup> Similar techniques can also be applied to project the age-sex distribution of geographic subdivision provided the large area population projection by age and sex are available. This method is especially applicable where adequate vital statistics are lacking and the population of the area in question is relatively small.

Both the mathematical method and the ratio method generally have the advantage of simplicity of computation and employ the minimum data. On the other hand, both methods do not take explicit account of, and hence provide little or no information on the demographic or socio-economic factors or components of the indicated trends.<sup>2/</sup>

Economic analysis attempts to correlate the socio-economic variables with the demographic factors for a given area.<sup>3/</sup> It is generally believed that internal movements are significantly affected by the area's economic development.

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<sup>1/</sup> For an application of the ratio method, see Margaret J. Hagood and J.S. Siegel, "Projections of the Regional Distribution of the Population of the United States to 1975", *Agricultural Economics Research*, 3(2): 41-52, April, 1951.

<sup>2/</sup> Henry S. Shryock, Jacob S. Siegel, and Associates, *op. cit.*, p. 796

<sup>3/</sup> The kind of approach has been used in some research for example, Ira S. Lowry, Migration and Metropolitan Growth: Two analytical Models, San Francisco, Chandler Publishing Company, 1966; and Pietro Balestra and W. Koteswara Rao, "Basic Economic Projections: United States Population, 1965-80", California, Stanford Research Institute, 1964.



The economic advantage of one area over another will have substantial impact on the future size of migration flow. This method takes account of economic prospects such as employment, income per capita, production or other economic variables to project the total population.

The component method involves the separate projection of each component of population changes, namely mortality, fertility and net migration. This method focuses attention on the influences related to each component of population changes. It also makes explicit the assumptions as regards the component of population growth and therefore provides one with valuable insight into the way population changes. The component method is especially appropriate when the population projections by age and sex are required.

Because projections by age and sex are desired, the present study is based on the component method. A simulation model for the population projection has been developed for an earlier study <sup>1/</sup> and is presented in Appendix 2. The projections are based on the 1971 Census data of the Yukon population by age, sex and ethnic group and made for each

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<sup>1/</sup> Chang-Mei Lu and D. C. Emerson Mathurin, "Population Projections of the Northwest Territories to 1981", Department of Indian Affairs and Northern Development, November, 1973.



year through 1981.<sup>1/</sup>

#### B. Fertility Projection

Conventionally, fertility rates are projected either through the cohort fertility method or the period fertility method.<sup>2/</sup> The cohort method projects the fertility of each cohort of women as they pass through their reproductive age. The fertility assumptions are formulated in terms of the completed fertility of actual cohorts of women.<sup>3/</sup> Because of data limitations, this method is not employed in the present study.

In the period fertility method, assumptions concerning future fertility are presented in terms of period or calendar

<sup>1/</sup> Through the use of Sprague's multiplier, the projections of population by single years of age and sex by ethnic group for the projection years as of June 1 are also obtained and are regrouped into five year age groups as shown in Appendix 10. A.J. Jaffe, Handbook of Statistical Methods for Demographers, Washington D.C., Government Printing Press, 1951. Sprague's multipliers are presented in Appendix 9.

<sup>2/</sup> Discussions of the difference between these two approaches are available from the following:

- (a) Dominion Bureau of Statistics, "The Population Projections for Canada, 1969-84", Analytical and Technical Memorandum No. 4, Census Division, Ottawa April 1970.
- (b) A. Romanuk, "Fertility Projection by the Cohort Method for Canada, 1969-84", Analytical and Technical Memorandum No. 5, Dominion Bureau of Statistics, Ottawa, November, 1970.
- (c) M.V. George and K.S. Gnanasekaran, Population and Labour Force Projections for Alberta, 1970-1985, Human Resources Research Council, Edmonton, March, 1972.

<sup>3/</sup> A cohort of women is defined as a group of women born during a calendar year. The completed fertility rate is defined as the total number of birth per woman of the cohort over the entire childbearing span.



year age-specific fertility rates, period sex-age adjusted birth rates, period total fertility rate or period gross reproduction rates, etc.<sup>1/</sup> One way of making fertility projection is to extrapolate recent trends in age-specific fertility rates. Alternatively, future births can be obtained by projecting the total fertility rate.<sup>2/</sup> Once the projected total fertility rate is developed, a given or selected set of the age-specific fertility rate is applied to obtain the total births. In this case, it is equivalent to assuming that the age-specific fertility rate changes uniformly by age by the same percentage as the total fertility rate.

As can be observed from the data in Appendix 3, there is a marked difference in the fertility rates of women of different childbearing age and ethnic origin in the Yukon Territory. For example, in 1971, Indian women of 15-19 years had an average fertility rate of 215.4 per 1,000 women as compared to 102.5 in the case of Whites. It is

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<sup>1/</sup> Henry S. Shryock, Jacob S. Siegel, and Associates, op. cit., p. 782.

<sup>2/</sup> The total fertility rate is the number of children a woman, on the average, will bear if she lives to the end of the child-bearing period. It is calculated by summing the age-specific fertility rates (i.e., number of births per woman at each age in a given year) of women 15-49 years. In this study, the total fertility rate is presented in terms of 1,000 women.



appropriate therefore to make separate projections of the total annual births for Indians and for Whites.

Because of the small number of females in each age group, any change in the number of births would likely result in a significant fluctuation in the age-specific fertility rates. The fertility projections are therefore not made on this basis. However, there has been a gradual decline in the total fertility rate of each ethnic group in the Yukon Territory (see Table 5). For example, between 1964 and 1971, the total fertility rate declined from 8.7 to 4.8 births per woman over the reproduction period. But, this substantial decrease in the total fertility rate is not likely to be repeated in the future.<sup>1/</sup> As a result, the total fertility rates were projected on the basis of the past trend over the period 1966-71.

In view of the uncertainty involved, three assumptions were made to represent the high, medium and low alternatives. The medium series of fertility assumes a continuous declining trend in the total fertility rates for the projection years 1972-81 as the annual average change observed during 1966-71. The high series assumes that the fertility rate will be 5% higher than the medium rate and the low series will be 5% lower.

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<sup>1/</sup> Based on the recent study of population projection for Canada, a range of fertility from 1.80 to 2.60 births per woman were assumed for the next decade. (see Statistics Canada, "Population Projections for Canada and the Provinces, 1972-2001," Catalogue 91-514 Occasional, Information Canada, Ottawa, June 1974.) It is unlikely that Indian women will experience a lower fertility rate than the Canadian average.



TABLE 5
 ACTUAL AND PROJECTED TOTAL FERTILITY RATE BY ETHNIC ORIGIN  
 YUKON TERRITORY, 1964-1981

YEAR	INDIAN	WHITES				
<u>ACTUAL</u>						
1964	8,713.5	4,621.5				
1965	8,491.5	3,649.5				
1966	6,547.5	3,172.0				
1967	6,203.0	2,995.5				
1968	4,065.5	3,159.0				
1969	5,019.5	3,300.5				
1970	5,700.0	2,757.5				
1971	4,829.0	2,862.5				
<u>ASSUMED</u>						
	LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH
1972	4,422.8	4,655.6	4,888.4	2,674.5	2,815.3	2,956.1
1973	4,264.1	4,488.5	4,712.9	2,630.4	2,768.8	2,907.2
1974	4,111.0	4,327.4	4,543.8	2,587.0	2,723.1	2,859.3
1975	3,963.4	4,172.0	4,380.6	2,544.3	2,678.2	2,812.1
1976	3,821.2	4,022.3	4,223.4	2,502.3	2,634.0	2,765.7
1977	3,684.0	3,877.9	4,071.8	2,461.0	2,590.5	2,720.0
1978	3,551.8	3,738.7	3,925.6	2,420.4	2,547.8	2,675.2
1979	3,424.2	3,604.4	3,784.6	2,380.5	2,505.8	2,631.1
1980	3,301.3	3,475.0	3,648.8	2,341.2	2,464.4	2,587.6
1981	3,182.8	3,350.3	3,517.8	2,302.6	2,423.8	2,545.0

- Source: 1. Actual total fertility rates were obtained from Appendix 3.
2. The medium fertility rates were derived by applying the average annual change over the period 1966-71 to the 1971 total fertility rate.
3. The high and the low total fertility rates were obtained by assuming 5% higher and 5% lower, respectively, than the medium rate for every projection year.



To compensate for the lack of a definite trend in the observed age-specific fertility rates in the Yukon Territory, the average percentage distribution of fertility rates by age group for each ethnic origin (see Appendices 4A and 4B) was applied to total fertility rates (as described in equation (1) of Appendix 2). The average sex distribution of births during 1961-71 (see Appendix 5) was used to determine sex status of babies born during the projection years.

#### C. Mortality Projection

In projecting the mortality component, two kinds of measures of mortality may be used, namely age-specific survival rate and age-specific mortality rates. In order to derive the age-specific survival rates, it is necessary to construct a life table involving the projected mortality level by age and sex. However, the first measure has not been employed in this study simply because the small size of the population of the Yukon Territory preclude the construction of a meaningful life table.<sup>1/</sup>

In the second measure, the projected death rates may be derived on the basis of the various assumptions. These

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<sup>1/</sup> In Gnanasekaran's study, a life table adopted from the sets of regional model life tables was used for the Yukon Territory in deriving the survival rates. (See K.S. Gnanasekaran, "Mortality Projections for Canada and Provinces 1950-1990", Statistics Canada, 1973, (Background Paper)).



are: (1) maintaining the latest observed death rates; (2) extrapolating past trends; (3) applying the standard percentage decreases in death rates; and, (4) establishing target rates.<sup>1/</sup> Given the nature of the death rates prevailing in the Yukon Territory, a modification of the first is used in projecting the mortality level.

As can be observed from the data in Table 6, there was no definite trend in the crude death rates for either Indians or Whites in the Yukon Territory during the 1961-71 decade. The crude death rates per 1,000 Indian males decreased from 13.3 in 1964 to 7.7 in 1967 but increased to 12.9 in 1969 and decreased again to the low level of 5.8 in 1970.<sup>2/</sup> In view of these fluctuations, three projections (low, medium and high) of the number of deaths are made in each age-sex-ethnic group. The low rate and the high rate in the projection period 1972-81 are assumed to be the low rate and high rate, respectively, observed in the 1964-71 period.<sup>3/</sup> The medium projection is the simple average of the low and the high projected crude

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<sup>1/</sup> Henry S. Shryock, Jacob S. Siegel, and Associates, op. cit.

<sup>2/</sup> Although the irregularity of the death rate may be attributed partly to the actual reporting system in the Yukon Territory, it seems reasonable to assume that the same degree of error was involved in reporting system over the whole time period.

<sup>3/</sup> The period of 1964-71 instead of the period 1961-71 was chosen because the population data by age and sex for each ethnic group were not available for 1962 and 1963.



TABLE 6

ACTUAL AND PROJECTED CRUDE DEATH RATE PER 1,000 POPULATION  
BY SEX AND ETHNIC GROUP, YUKON TERRITORY, 1964-1970

Year	Indian		Whites	
	Male	Female	Male	Female
actual				
1961	16.3	13.4	6.9	2.4
1962	9.6	8.2	5.4	2.9
1963	11.1	14.2	5.6	2.2
1964	13.3	8.8	6.1	3.3
1965	12.1	12.0	7.9	3.1
1966	10.3	15.1	5.7	2.6
1967	7.7	8.9	5.7	2.3
1968	9.6	11.0	7.0	1.6
1969	12.9	10.7	6.7	2.3
1970	5.8	14.9	8.6	2.3
1971	11.9	11.4	6.9	2.0
assumption				
1972-81				
Low	5.8	8.8	5.7	1.6
Medium	9.6	12.0	7.2	2.5
High	13.3	15.1	8.6	3.3

Source:

- (1) The actual crude death rates were calculated from the sources described in Appendix 7.
- (2) It is assumed that the level of the low or the high rates observed during the period 1964-71 will be duplicated in the projection years 1972-81.
- (3) The medium projected crude death rate was the average of the low and the high projected rates.



death rates. These crude death rates are applied to the previous year's total population to obtain total annual deaths. By applying the average age distribution of deaths by sex for each ethnic origin over the period 1964-71 (Appendix 6), the number of deaths by age, sex, and ethnic group is obtained for each projection year (see equation (2.2) in Appendix 2).

Alternatively, the average age-specific mortality rates for a selected period were assumed to be duplicated over the projection years. Because of the small size of the population in the Yukon Territory, the age-specific mortality rates fluctuated from year to year during the past eight years. It was therefore decided to apply the average mortality rates by age and sex during the period 1964-71 (see Appendix 7) to the previous year's population in projecting number of deaths by age, sex, and ethnic group throughout 1972-81 (shown as equation (2.1) in Appendix 2).

#### D. Migration Projection

The increase or decrease in the size of the Yukon population was accompanied by a net in-migration or net out-migration over the period 1961-71.<sup>1/</sup> For example,

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<sup>1/</sup> There are four categories of migration, immigration, emigration, in-migration and out-migration. The first two terms are applied to international movement whereas the latter two are used in the interprovincial movement. In this study the term "in-migration" was used to indicate both immigration and in-migration and the term "out-migration" represents both emigration and out-migration.



the decrease of 300 in the Yukon population between 1964 and 1965 was primarily due to a net out-migration of 629 (see Appendix 8A). Given the importance of migration in the Yukon's population growth, it is desirable to include this component in population projections.

Of the three components of population change, migration is probably the most hazardous to project, because the relevant statistical data are either poor or non-existent. For example, Statistics Canada Census collected information on migration which referred to five-year mobility and did not represent the total migration. For instance, in the 1971 Census, migration data represented only the survivor migrants in 1971 who moved during the 1966-71 migration interval. Moreover, the census migration data included only a single (or last) move of persons over the five-year period. Accordingly, the census migration data are not a suitable basis for population projection.

One of the other sources of developing migration is family allowance data. It provides information on the number of families in receipt of family allowance that have been transferred from one province to another. Based on these records, the number of migrants is estimated by applying the ratio of migrant children to all children under 16 years of



age to the total population. However, because movements of single adults cannot be obtained from family allowance data, this source is also rejected as an adequate data base for migration projection.<sup>1/</sup>

Because data on migration are insufficient to make a separate projection for each type of migration (i.e., immigration, emigration, in-migration and out-migration), in the current study, the procedure is based on the assumption of an annual absolute volume of net migration for each ethnic group in the Yukon Territory during the projection period. Based on intercensal estimates of population provided by Statistics Canada and on birth and death records, annual volume of net migration in the Yukon Territory is estimated (see Appendices 8A, 8B and 8C). On the basis of these data, the following assumptions shown in Table 7 are made for projecting migration:

TABLE 7

## ASSUMPTION OF NET MIGRATION FOR THE PERIOD 1972-81, YUKON TERRITORY

Ethnic Origin	Annual Number of Net Migration, 1972-81		
	Low	Medium	High
Indian	-40	-20	0
Whites	100	300	500

<sup>1/</sup> Particularly in the North, migrants are likely to be single adults. See Chun-Yan Kuo and Chang-Mei Lu, op. cit.



TABLE 8

AGE-SEX COMPOSITION OF MIGRANTS BY ETHNIC GROUP  
YUKON TERRITORY, SEPTEMBER 1972 - AUGUST 1973

Age Group	Indian		Whites	
	Male	Female	Male	Female
Under 1	0.0	0.0	0.37	0.80
1-4	0.0	0.0	4.77	3.84
5-9	0.0	0.0	4.49	3.74
10-14	0.0	0.0	3.79	2.71
15-19	0.0	0.0	5.48	4.21
20-24	0.0	6.67	10.53	8.70
25-29	40.00	0.0	8.75	7.39
30-34	6.67	6.67	5.99	4.40
35-39	20.00	0.0	3.93	2.39
40-44	0.0	0.0	3.56	1.45
45-49	13.33	0.0	2.39	1.12
50-54	6.66	0.0	1.40	1.03
55-59	0.0	0.0	1.22	0.38
60-64	0.0	0.0	0.38	0.33
65-69	0.0	0.0	0.09	0.09
70-	0.0	0.0	0.23	0.05
Total	86.66	13.34	57.37	42.63

Source: This information was derived by extrapolating the results by age obtained from the Yukon Health Insurance Master Tape, Health Service Branch, Yukon Hospital Insurance Service, Government of the Yukon Territory.

Note: The age-sex composition of Indian migrants is associated with a net out-migration (including moving out of the country and out of the territory). In the case of Whites, the data represent the age-sex composition associated with net in-migration.



In addition to the assumed number of net migrants, the age-sex pattern of migrants is needed in making population projection by age and sex. Based on the health insurance record of the Yukon Territory, the numbers of in-migrants and out-migrants during September 1972 to August 1973 were obtained for each ethnic group.<sup>1/</sup> The age-sex distributions of the White net in-migrants and the Indian net out-migrants are presented in Table 8. Because of lack of data, the single set of migration pattern by age and sex for Indian and Whites is accordingly used over the projection years 1972-81.

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<sup>1/</sup> The Yukon health insurance plan started its operation in April of 1972. Given five months provision for the possible delay in registration, the data for the period of September 1972 to August 1973 were processed to get the number of persons leaving and entering the Yukon Territory. Because no indication of death was made, the actual recorded number of deaths obtained from Statistics Canada were used to adjust number of out-migrants.



#### IV. RESULTS OF THE PROJECTION

This chapter summarizes the results of the population projection for the Yukon Territory. It includes not only an analysis of the projected total population of the Yukon Territory to 1981, but also an examination of the age-sex-ethnic composition of that population.

##### A. Projection Series and Selection

The population projections for the Yukon Territory could be obtained by combining the various assumptions described in the preceding section, i.e., three fertility assumptions, three migration assumptions and four mortality assumptions for each ethnic group. Alternatively, a combination of assumptions regarding the three components of population change could be chosen selectively for each ethnic group to produce numerous projections.<sup>1/</sup> In selecting the projection series, the estimate of 1973 population for the Yukon Territory by Statistics Canada has been used as criterion.<sup>2/</sup> Based on this criterion, 23 series out of 36 are selected

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<sup>1/</sup> This method was not used in the present study due to a narrow range of the 1973 projected populations for each ethnic group.

<sup>2/</sup> The total population of the Yukon Territory was estimated about 19,700 persons in 1973, See Statistics Canada, Estimated Population by Sex and Age Group for Canada and Provinces, Catalogue 91-202 Annual, March 1974.



and presented in Table 9.

#### B. Total Population

According to the selected 23 series projections, the population of the Yukon Territory is expected to range from 21,514 to 23,090 persons in 1976, and from 24,612 to 27,928 persons in 1981 (see Table 9). Four projections called Series A, Series B, Series C and Series D have been chosen and are presented in detail in Appendix 10. These four series are selected in such a way to cover the range of the projections that are presented in Table 9. Table 10 summarizes those assumptions underlying the four series.

The population of the Yukon Territory numbered 18,385 in the 1971 Census, an increase of 4,008 during the intercensal period 1966-71. This change in population represents an average annual growth rate of 5.0% (see Table 1). Under the four projection series, the Yukon population is anticipated to grow annually in the range of 3.18% and 4.66% between 1971 and 1976, and in the range of 2.73% and 3.88% during the 1976-81 period (see Table 11). Explicitly, under all four series, the population of the Yukon Territory will continue to rise but the rate of growth will decline between the 1966-71 period and the 1976-81 period.

#### C. Ethnic Composition

In 1971, Indians made up 14.0% of the total population



TABLE 9

PROJECTED POPULATION OF THE YUKON TERRITORY ACCORDING  
TO VARIOUS ASSUMPTIONS OF MORTALITY, FERTILITY AND  
MIGRATION, 1973, 1976 and 1981

Assumptions	Projected Total Population		
	1973	1976	1981
1. $D_C, F_L, M_M$	19,665	21,555	24,679
2. $D_G, F_L, M_H$	20,111	22,711	27,099
3. $D_G, F_M, M_M$	19,712	21,675	24,917
4. $D_G, F_M, M_H$	20,159	22,832	27,351
5. $D_G, F_H, M_M$	19,760	21,790	25,155
6. $D_G, F_H, M_H$	20,207	22,954	27,602
7. $D_L, F_L, M_M$	19,707	21,685	24,993
8. $D_L, F_L, M_H$	20,153	22,841	27,413
9. $D_L, F_M, M_M$	19,755	21,807	25,237
10. $D_L, F_M, M_H$	20,202	22,966	27,670
11. $D_L, F_H, M_M$	19,804	21,928	25,481
12. $D_L, F_H, M_H$	20,250	23,090	27,928
13. $D_M, F_L, M_M$	19,649	21,534	24,670
14. $D_M, F_L, M_H$	20,094	22,686	27,074
15. $D_M, F_M, M_M$	19,697	21,655	24,911
16. $D_M, F_M, M_H$	20,143	22,810	27,329
17. $D_M, F_H, M_M$	19,745	21,775	25,153
18. $D_M, F_H, M_H$	20,192	22,934	27,584
19. $D_H, F_L, M_H$	20,040	22,542	26,763
20. $D_H, F_M, M_M$	19,643	21,514	24,612
21. $D_H, F_M, M_H$	20,089	22,666	27,016
22. $D_H, F_H, M_M$	19,691	21,634	24,851
23. $D_H, F_H, M_H$	20,137	22,790	27,269

Note: Symbols used in assumptions are stated as follows:

D: Mortality

F: Fertility

M: Migration

The subscripts C, L, M, and H represent Constant, Low, Medium and High respectively.



TABLE 10

SUMMARY OF MORTALITY, FERTILITY AND MIGRATION ASSUMPTIONS  
UNDERLYING PROJECTIONS A, B, C and D, YUKON TERRITORY, 1972-81

	Crude Death Rate per 1,000 Pop- ulation		Total Fertility Rate		Volume of Net Migration	
	Indian		Whites		Indian	
	M	F	M	F	F	M+F
Projection A	13.3	15.1	8.6	3.3	Medium	Medium
Projection B	9.6	12.0	7.2	2.5	Medium	Medium
Projection C	5.8	8.8	5.7	1.6	Medium	Medium
Projection D	5.8	8.8	5.7	1.6	High	High

Note: The projected levels of fertility rates are shown in  
Table 6.



TABLE 11

SELECTED POPULATION PROJECTIONS AND CORRESPONDING ANNUAL GROWTH RATES  
FOR THE YUKON TERRITORY, 1971, 1976, and 1981

Projection Series	1971 Census	Projected Population (Number)		Average Annual Growth Rate (Percentage) 1971-76 1976-81
		1976	1981	
A	18,385	21,514	24,612	3.18 2.73
B	18,385	21,655	24,911	3.33 2.84
C	18,385	21,807	25,237	3.47 2.96
D	18,385	23,090	27,928	4.66 3.88

Note: Projection Series A, B, C and D correspond respectively to series  
20, 15, 9, and 12 of Table 9.



of the Yukon Territory while Whites contributed 86.0% of that population. It is projected that the proportion of Indians in the population of the Yukon Territory will continue to decline in favour of an increasing proportion of Whites (see Table 12). By 1981, the Indian population will range from 2,838 to 3,280, representing an increase of between 10% and 27% over the 1971 Census figure of 2,580. The population of Whites is projected to increase by between 38% and 56% during the 1971-81 period.

The Indian population in the Yukon Territory is anticipated to grow at an annual rate of 1.10% to 2.66% over the 1971-76 period and 0.82% to 2.20% during the 1976-81 period (see Table 13). Under Projections A and B, the growth of the Indian population is expected to decelerate whereas in the series C and D, it will be slightly accelerated between 1971 and 1976 and then decelerated from 1976 to 1981. This is due to the different assumptions underlying each projection (see Table 10). However, under all four series the population of Whites is expected to grow at a faster rate between 1971 and 1976 than it will be in the 1976-81 period.

#### D. Age-Sex Composition

According to the four series of projections, there will be a significant shift in the age distribution of the Yukon population between 1971 and 1981. The proportion of Indian



TABLE 12

ACTUAL AND PROJECTED POPULATION DISTRIBUTION OF  
 THE YUKON TERRITORY BY ETHNIC GROUP  
 1961, 1971, 1976 and 1981

Year	Indian	Whites	Population Distribution (%)	
			Indian	Whites
1961 (Census)	2,167	12,461	14.8	85.2
1971 (Census)	2,580	15,805	14.0	86.0
1976 (Projection)				
A	2,725	18,789	12.7	87.3
B	2,770	18,884	12.8	87.2
C	2,818	18,989	12.9	87.1
D	2,942	20,148	12.7	87.3
1981 (Projection)				
A	2,838	21,774	11.5	88.5
B	2,930	21,981	11.8	88.2
C	3,028	22,209	12.0	88.0
D	3,280	24,648	11.7	88.3

Source: See Tables 3, 4, and Appendix 10.



TABLE 13

AVERAGE ANNUAL GROWTH RATE OF POPULATION BY ETHNIC GROUP  
YUKON TERRITORY, 1961-71, 1971-76 and 1976-81

Ethnic Group	Average Annual Growth Rate (%)				1976-81			
	1961-71	Proj. A	1971-76	Proj. B	Proj. C	Proj. D	Proj. C	Proj. D
Indian	1.76	1.10	1.43	1.78	2.66	0.82	1.13	1.45
Whites	2.41	3.52	3.62	3.74	4.98	2.99	3.08	3.18
All Groups	2.31	3.18	3.33	3.47	4.66	2.73	2.84	2.96
								3.88



and Whites under 15 years of age is projected to decrease consistently over the 1971-81 period (see Table 14). The decrease in the population of the child age group (0-14) will be accompanied by an increase in the proportion of the working age population (15-64) for both Indian and Whites. In 1981, the Indian child population will make up 37% of the total population as compared to 41% in 1971 (Projections A, B, and C). The proportion of the Indian population in the working age group is expected to increase from the 1971 level of 53.3% to about 56% in 1981 (Projection B).

The shift in the age structure of the Yukon population results from the different rate of population change among the age groups. The percent changes of population by the selected age groups during the 1961-71 and 1971-81 periods are depicted in Figure 4.<sup>1/</sup>

In addition to the age distribution, the age dependency ratio and sex ratio of the Yukon population in 1961, 1971 and 1981 are also presented in Table 14. The age dependency ratio is a measure of age composition, not of economic dependency.<sup>2/</sup> The projections indicate a downward trend in

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<sup>1/</sup> It will not be surprising that there is a very high percent change in the old age population group (65+) in which the population is small.

<sup>2/</sup> The age dependency ratio represents the ratio of the combined child population (0-14) and aged population (65+) to the working age population (15-64). Because some people in working age group (such as housewives) are economic dependents, the age dependency ratio cannot be considered as a reflection of economic dependency. For a detailed discussion, see Henry S. Shryock, Jacob S. Siegel and Associates, op.cit., Vol. 1, p. 235.



TABLE 14

## SELECTED INDICES OF AGE-SEX STRUCTURE, YUKON TERRITORY, 1961, 1971 and 1981

	Age Distribution (%)				Dependency Ratio of Total Population (%)	Sex Ratio of Total Population (%)	
	Indian 0-14	15-64	65	Whites 0-14	15-64	65	
1961 (Census)	43.3	50.0	6.7	35.1	62.2	2.7	65.0
1971 (Census)	40.9	53.3	5.8	33.5	64.1	2.4	59.9
1981 (Projection)							
Series A	37.1	56.6	6.3	28.4	68.2	3.4	49.6
Series B	37.1	55.9	7.0	28.3	67.9	3.8	50.4
Series C	37.1	55.2	7.7	28.3	67.6	4.1	51.2
Series D	36.0	56.9	7.1	28.8	67.4	3.8	50.9
							115.0

Source: Tables 3, 4, and Appendix 10.

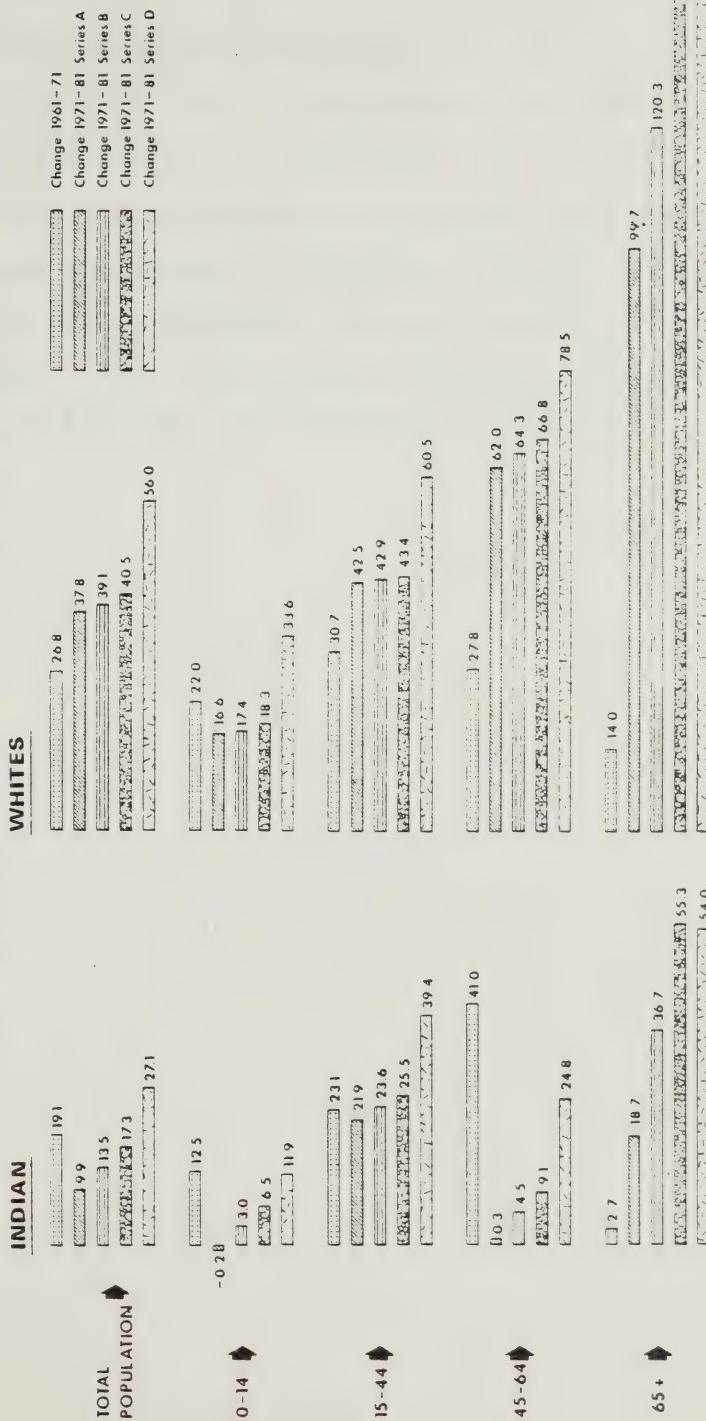
Note: Dependency ratio is ratio of population under 15 and 65 and over to population of 15 to 64

Sex ratio is the number of males per 100 females.



FIGURE 4

PERCENTAGE CHANGE OF POPULATION IN SELECTED AGE GROUPS  
OVER THE PERIOD, 1961-71 AND 1971-81, YUKON TERRITORY



SOURCE: Tables 3.4, and Appendix 10



the dependency ratio during the 1971-81 period. The decrease in the fertility rate and therefore in the number of children will diminish the age dependency ratio.

Furthermore, the projections also indicate that there will be more males than females in the Yukon Territory in 1981 although the imbalance between sexes will decrease. The 1971 sex ratio for the Yukon Territory was 117.2; it is expected to be 111.8 in 1981 under Projection C and 115.0 under Projection D.



## V. CONCLUDING REMARKS

The population projections for the Yukon Territory to 1981 presented in this report were based on various assumptions underlying the components of population change. A computer program for the population projections by the component method was set up to carry forward the 1971 Census population by age, sex and ethnic group to 1981. The projected populations for the Yukon Territory from 1972 to 1981 represent the future population as of June 1 of the year. The projections presented are conditional in the sense that the projected future size and age-sex-ethnic structure of the Yukon population will be attained only if demographic trends during the projection period coincide with those implied in the underlying assumptions. Nevertheless, they provide a useful insight as to the future changes in the growth and structure of the Yukon population.

The twenty-three series of population projections give users a fairly wide choice of future size of the Yukon population. In view of many uncertainties in predicting the future population change, the author does not recommend any series of projections as the best series. Instead, the author has chosen four series of projections which seem to present a probable range of future population of the Yukon Territory.



Besides the present study, there are another two studies presenting the total population projection for the Yukon Territory for the year 1981. In a study by Mathurin and Lafrénier<sup>1/</sup>, the total population of the Yukon Territory is expected to be 23,930 which is 682 less than the lowest projection of the present study (24,612 under Series A), or representing 2.77% lower. Because their projection of the 1971 population for the territory (16,912) was 1,473 lower than the 1971 Census figure of 18,385, the 1981 projection naturally tends to be low under the assumption of a constant growth rate over the period 1971-86.

Statistics Canada has developed a series of population projections for the Yukon Territory over the period 1972-2001 within a national context.<sup>2/</sup> The component method was also used in the study but failed to take ethnic difference into consideration. According to the Statistics Canada projection, the Yukon population is anticipated to grow in the range of 22,500 to 26,200 by 1981 as compared to the projections of 24,612 to 27,928 in this study. The present projection is about 6.60% to 9.39% higher than their projection. The age

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<sup>1/</sup> D.C. Emerson Mathurin and Normand Lafrénier, op. cit., p. 8. In their study, the average 5 year rate of growth by the selected age groups for the periods of 1951-56, 1956-61 and 1961-66 was used for projection from 1971 to 1986.

<sup>2/</sup> Statistics Canada, op. cit.



TABLE 15

COMPARISONS OF AGE DISTRIBUTION AND SEX RATIO OF THE PROJECTED 1981 POPULATION  
OF THE YUKON TERRITORY BY STATISTICS CANADA AND THE PRESENT STUDY

Projection Series	Statistics Canada Projections			Present Study		
	Age Distribution (%) 0-14 15-64 65+	Sex Ratio (Males/100 Females)	Age Distribution (%) 0-14 15-64 65+	Sex Ratio (Males/100 Females)		
Series A	32.3 63.9 3.8	111.3	29.4	66.8	3.8	111.8
Series B	30.5 65.7 3.8	112.3	29.4	66.4	4.2	112.3
Series C	29.4 66.8 3.8	111.6	29.3	66.2	4.5	112.9
Series D	28.5 67.5 3.9	112.3	29.6	66.2	4.2	115.0

Source: 1. Statistics Canada, "Population Projections for Canada and Provinces, 1972-2001", Catalogue 91-514 Occasional, Information Canada, Ottawa, June 1974.

2. Appendix 10



and sex structure of the two studies are also different (see Table 15). The question of which projections have greater validity must await further tests about assumptions made in each.

This demographic study of the Yukon Territory has been carried out to project the future size of the population. However, it is clear that further study of the interrelationships between economic and demographic factors is required before a more refined projection model can be constructed.



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## APPENDICES



## APPENDIX 1

## SEX RATIOS BY AGE, YUKON TERRITORY, CENSUS YEARS 1951, 1961 AND 1971

Age Group	Sex Ratio		
	1951	1961	1971
0-4	104.8	108.9	105.9
5-9	106.4	100.6	110.1
10-14	102.3	104.3	105.2
15-19	109.1	99.7	95.9
20-24	201.3	135.0	98.4
25-29	132.2	128.8	121.6
30-34	144.8	144.6	131.3
35-39	151.5	135.3	139.6
40-44	202.7	151.0	147.8
45-49	281.6	146.3	122.8
50-54	270.6	165.2	132.2
55-59	175.3	185.4	129.2
60-64	248.4	217.8	174.1
65-69	264.7	127.9	181.3
70+	353.2	204.1	150.0
All Age Groups	150.0	126.8	117.2

Source: Statistics Canada, 1971 Census of Canada, Population by Age Group, Catalogue 92-715; Vol. 1, Part 2, April 1973.



## APPENDIX 2

SIMULATION MODEL FOR POPULATION PROJECTIONS  
OF THE YUKON TERRITORY TO 1981

The 1971 population of the Yukon Territory by five year age intervals, by sex and by ethnic group is used as the base data for projections to 1981. In addition, the following data regarding each component of population change are required:

- (a) Age-specific fertility rate (birth rate per 1,000 women in the respective age group), ( $F_{i,t}^k$ ), by ethnic group. This is the product of the projected total fertility rate ( $TF_t^k$ ) and the average percentage distribution of the fertility rate for each age group ( $f_i$ ).

$$F_{i,t}^k = (TF_t^k / 5) f_i^k \quad (1)$$

$$i = 4, \dots, 10$$

$$t = 1, 2, 3, 4, 5$$

$$k = 1, 2$$

Let  $i$  denote an age group,  $k$  denote an ethnic group, and  $t$  denote a year.

- (b) Number of deaths by age group, sex and ethnic group ( $D_{i,n,t}^k$ ), calculated from Equation (2.1) or Equation (2.2) depending on data used.

$$D_{i,n,t}^k = P_{i,n,t-1}^k \cdot d_{i,n,t}^k / 1000 \quad (2.1)$$



Also,

$$D_{i,n,t}^k = \left( \sum_{i=0}^{15} P_{i,n,t-1}^k \right) (Q_{n,t}^k / 1000) q_{i,n}^k \quad (2.2)$$

$$i = 0, \dots, 15$$

$$t = 1, 2, 3, 4, 5$$

$$n = 1, 2$$

$$k = 1, 2$$

where  $P_{i,n,t-1}^k$  = population of age group "i" in sex group "n" in the  $k^{\text{th}}$  ethnic group in year "t-1",

$d_{i,n,t}^k$  = death rate of age group "i" in sex group "n" in the  $k^{\text{th}}$  ethnic group in year "t",

$Q_{n,t}^k$  = crude death rate per 1000 population in sex group "n" in the  $k^{\text{th}}$  ethnic group in year "t",

$q_{i,n}^k$  = percentage distribution of death rate of age group "i" in sex group "n" in the  $k^{\text{th}}$  ethnic group.

Let  $n$  denote sex, i.e.,  $n = 1$  for female,  $n = 2$  for male.

- (c) Number of migrants by sex, by age group and by ethnic group ( $M_{i,n,t}^k$ ). This is the product of the assumed volume of net immigration ( $R_t^k$ ) and the percentage distribution of migration by age group and sex ( $m_{i,n}^k$ ).

$$M_{i,n,t}^k = R_t^k \cdot m_{i,n}^k \quad (3)$$



i = 0, 1, . . . . . , 15

t = 1, 2, 3, 4, 5

k = 1, 2

n = 1, 2

Once the basic data that are required for the projections are calculated, the population by an age group, sex and ethnic group can then be projected. The basic equations determining the population change in age group "i" as the year changes from "t-1" to "t" are shown as follows"

Let t = 0 represent the base year (e.g. 1971) and let N represent the frequency of iteration.

Then,

$$P_{o,n,t}^k = \left\{ \sum_{i=il}^{10} \left( (P_{i,1,t-1}^k - D_{i,1,t}^k/2)/1000 \times F_{i,t}^k \right) \right\} S_{n,t}^k \quad (4)$$

k = 1, 2

n = 1, 2

i = 4, . . . . . 10 when t = 1, or

i = 3, 4, . . . . 10 when t = 2, 3, 4, 5

il= the first number in series "i" as shown above

where  $P_{o,n,t}^k$  = population of the under 1 age group in sex group "n" in the  $k^{th}$  ethnic group in the year "t"

$P_{i,1,t-1}^k$  = female population of age group "i" in the  $k^{th}$  ethnic group in year "t-1"



$S_{n,t}^k$  = proportion of livebirths in sex group "n"  
in the  $k^{th}$  ethnic group in the year "t"

$F_{i,t}^k$  and  $D_{i,n,t}^k$  are defined as above.

It is assumed in Equation (4) that half of the females who die give birth prior to their deaths.

In addition to births, deaths must be subtracted from and net migration added to the previous population:

$$P_{i,n,t}^k = P_{i,n,t-1}^k - D_{i,n,t}^k + M_{i,n,t}^k \quad (5)$$

$$i = 1, \dots, 15$$

$$k = 1, 2$$

$$t = 1, 2, 3, 4, 5$$

$$n = 1, 2$$

At the end of the second year ( $t = 1$ ), the population of the zero age group at the end of the first year ( $t = 0$ ) must be added to that of the 1-4 age group:

$$\hat{P}_{o,n,t}^k = P_{o,n,t}^k + R_t^k \cdot m_{0,n}^k \quad (6.1)$$

$$\hat{P}_{1,n,t}^k = P_{1,n,t}^k + (P_{o,n,t-1}^k - D_{o,n,t}^k) \quad (6.2)$$

For other years, the relationship becomes:

$$\hat{P}_{o,n,t}^k = P_{o,n,t}^k + P_{o,n,t-1}^k - D_{o,n,t}^k + M_{o,n,t}^k \text{ when } t = 2, 3, 4 \quad (6.3)$$

$$\hat{P}_{o,n,t}^k = P_{o,n,t}^k + R_t^k \cdot m_{o,n}^k \text{ when } t = 5 \quad (6.4)$$

During the computation, as the year "t" is incremented, the upper and lower ages of the groups will increase. Since death rates, fertility rates and migration distribution are



all functions of age, their original series will only apply to the first year projection and at five year intervals with the appropriate change in age group index. Death rate ( $d_{i,n,t}^k$ ) is also a function of population in the previous year for the corresponding age group. Therefore, the adjustments for death rate for the first two and the last two age groups are slightly different from those for the death distribution ( $q_{i,n}^k$ ) and the migration distribution ( $m_{i,n}^k$ ). For in between years (i.e.,  $t = 2, 3, 4, 5$ ), the following relationships are assumed:

If  $i = 0$ ,

$$\hat{d}_{i,n,t}^k = d_{i,n,t}^k + (t-2)(d_{i+1,n,t}^k - d_{i,n,t}^k)/4 \quad (7.1)$$

$$\hat{q}_{i,n}^k = q_{i,n}^k + (t-2)(q_{i+1,n}^k)/4 \quad (7.2)$$

$$\hat{m}_{i,n}^k = m_{i,n}^k + (t-2)(m_{i+1,n}^k)/4 \quad (7.3)$$

If  $i = 1$ ,

$$\hat{d}_{i,n,t}^k = d_{i,n,t}^k - (t-1)(d_{i,n,t}^k)/4 + (t-1)(d_{i+1,n,t}^k)/5 \quad (8.1)$$

$$\hat{q}_{i,n}^k = q_{i,n}^k - (t-2)(q_{i,n}^k)/4 + (t-1)(q_{i+1,n}^k)/5 \quad (8.2)$$

$$\hat{m}_{i,n}^k = m_{i,n}^k - (t-2)(m_{i,n}^k)/4 + (t-1)(m_{i+1,n}^k)/5 \quad (8.3)$$

If  $i = 2, 3, 4, \dots, 13$ ,

$$\hat{d}_{i,n,t}^k = d_{i,n,t}^k + (t-1)(d_{i+1,n,t}^k - d_{i,n,t}^k)/5 \quad (9.1)$$



$$\hat{q}_{i,n}^k = q_{i,n}^k + (t-1)(q_{i+1,n}^k - q_{i,n}^k)/5 \quad (9.2)$$

$$\hat{m}_{i,n}^k = m_{i,n}^k + (t-1)(m_{i+1,n}^k - m_{i,n}^k)/5 \quad (9.3)$$

If  $i = 14$ ,

$$\hat{d}_{i,n,t}^k = d_{i,n,t}^k + (t-1)(d_{i+1,n,t}^k - d_{i,n,t}^k)/5 \quad (10.1)$$

$$\hat{q}_{i,n}^k = q_{i,n}^k - (t-1)(q_{i,n}^k)/5 + (t-1)(bq_{i+1,n}^k)/5 \quad (10.2) \frac{1}{=}$$

$$\hat{m}_{i,n}^k = m_{i,n}^k - (t-1)(m_{i,n}^k)/5 + (t-1)(bm_{i+1,n}^k)/5 \quad (10.3) \frac{1}{=}$$

If  $i = 15$ ,

$$\hat{q}_{i,n}^k = q_{i,n}^k - (t-1)(bq_{i,n}^k)/5 \quad (11.1)$$

$$\hat{m}_{i,n}^k = m_{i,n}^k - (t-1)(bm_{i,n}^k)/5 \quad (11.2)$$

where  $t = 2, 3, 4, 5$

$k = 1, 2$

$n = 1, 2$

$b = 0.38$ , the proportion of population of 70-74 years of age in the total population in  $70^+$  age group in 1971 in the Yukon Territory.

$\frac{1}{=}$  It is assumed that the numbers of deaths and migrants are proportional to the population size.



Also,

$$\hat{F}_{i,t}^k = F_{i,t}^k + (t-1)(F_{i+1,t}^k - F_{i,t}^k)/5 \quad (12)$$

where  $i = 3, 4, 5, \dots, 10$

$t = 2, 3, 4, 5$

$k = 1, 2$

$n = 1, 2$

By substituting the relevant Equations (7.1) to (12) to Equations (2.1), (2.2), (3) and (4), the projected population of each year in an iteration can be obtained. When  $t = 5$ , the population of the  $i^{\text{th}}$  age group will become the population of the  $(i+1)^{\text{th}}$  age group. At the end of an iteration, "t" is reset to zero. The program will end when N equals 2.

$$\hat{P}_{i+1,n,t}^k = P_{i,n,t-1}^k - D_{i,n,t}^k + R_t^k \quad \left. \begin{matrix} \\ (t-2)(m_{i+1,n}^k)/4 \end{matrix} \right\} \quad \text{where } i = 0 \quad (13)$$

$$\hat{P}_{i+1,n,t}^k = P_{i,n,t}^k \quad \text{where } i = 1, 2, \dots, 13 \quad (14)$$

$$\hat{P}_{i+1,n,t}^k = P_{i+1,n,t}^k + P_{i,n,t}^k \quad \text{where } i = 14 \quad (15)$$



## APPENDIX 3 (A AND B)

AGE-SPECIFIC FERTILITY RATES BY ETHNIC GROUP  
YUKON TERRITORY

- Source: (1) Livebirth data by age of mother and by ethnic group were obtained from Statistics Canada, Health and Welfare Division, Vital Statistics Section. Total livebirths exclude those where mother's age was unknown.
- (2) Indian population data were obtained from the following procedures:
- (a) To estimate the ratio of total Indian population to Registered Indian population for 1964 to 1970 through interpolation on the basis of 1961 and 1971 data.
  - (b) To estimate the total Indian population by dividing the total Registered Indian population by the corresponding ratio obtained from (a).
  - (c) To estimate Indian population by age and sex by applying the age-sex distribution of Registered Indian population to the estimated total Indian population for 1964 to 1970.
- (3) The population data for whites were obtained as a residual from total Yukon population by age and sex which were estimated by Statistics Canada.
- (4) Age-specific fertility rate was calculated by dividing the number of livebirths by the number of females in the respective age group, and by multiplying the results by 1,000.
- (5) Total fertility rate was obtained by multiplying the sum of the age-specific fertility rate by 5.
- (6) The general fertility rate is defined as the birth rate per 1,000 women, 15-49 years.



## APPENDIX 3 A

AGE-SPECIFIC FERTILITY RATE OF INDIANS, 1964-1971,  
YUKON TERRITORY

Age of Mother	1964			1965			1966			1967		
	No. of Livebirths	No. of Females	Fertility Rate	No. of Livebirths	No. of Females	Fertility Rate	No. of Livebirths	No. of Females	Fertility Rate	No. of Livebirths	No. of Females	Fertility Rate
15-19	16	122	131.1	17	124	137.1	20	124	161.3	23	136	169.1
20-24	30	85	352.9	30	90	333.3	22	100	220.0	32	111	288.3
25-29	24	68	352.9	25	66	378.8	23	69	333.3	15	69	217.4
30-34	26	63	412.7	24	61	393.4	15	60	250.0	18	61	295.1
35-39	12	49	244.9	11	53	207.6	7	54	129.6	9	55	163.6
40-44	9	49	183.7	9	48	187.5	5	48	104.2	4	48	83.3
45-49	2	31	64.5	2	33	60.6	4	36	111.1	1	42	23.8
Total	119	467	1,742.7	118	475	1,698.3	96	491	1,309.5	102	522	1,240.6
Total Fertility Rate												
General Fertility Rate												

(continued)



Age of Mother	1968			1969			1970			1971		
	No. of Livebirths	No. of Females	Fertility Rate	No. of Livebirths	No. of Females	Fertility Rate	No. of Livebirths	No. of Females	Fertility Rate	No. of Livebirths	No. of Females	Fertility Rate
15-19	23	156	147.4	32	160	200.0	29	148	196.0	28	130	215.4
20-24	18	121	148.8	39	133	293.2	35	127	275.6	30	110	272.7
25-29	14	70	200.0	14	76	184.2	18	76	236.2	19	95	200.0
30-34	11	57	193.0	8	56	142.9	9	59	152.5	10	85	117.7
35-39	4	57	70.2	6	58	103.5	6	57	140.4	8	75	106.7
40-44	2	49	40.8	3	51	58.8	5	53	94.3	2	60	33.3
45-49	0	47	0.0	1	47	21.3	2	45	44.4	1	50	20.0
Total	72	557	800.2	103	581	1,003.9	106	565	1,140.0	98	605	965.8
Total Fertility Rate												
General Fertility Rate	4,001.0						5,019.5			5,700.0		4,829.0
	129.3						177.3			187.6		162.0



## APPENDIX 3 B

AGE-SPECIFIC FERTILITY RATE OF WHITES, 1964-1971  
YUKON TERRITORY

Age of Mother	1964			1965			1966			1967		
	No. of Livebirths	No. of Females	Fertility Rate	No. of Livebirths	No. of Females	Fertility Rate	No. of Livebirths	No. of Females	Fertility Rate	No. of Livebirths	Females	Fertility Rate
15-19	38	360	105.6	27	362	74.6	38	362	105.0	35	444	78.8
20-24	134	391	342.7	113	415	272.3	94	432	217.6	94	486	193.4
25-29	104	470	221.3	82	454	180.6	79	478	165.3	86	514	167.3
30-34	70	489	143.2	55	456	120.6	36	439	82.0	34	426	79.8
35-39	36	462	77.9	21	430	48.8	13	409	31.8	27	406	66.5
40-44	12	357	33.6	12	364	33.0	12	367	32.7	5	375	13.3
45-49	0	262	0.0	0	262	0.0	0	270	0.0	0	284	0.0
Total	394	2,791	924.3	310	2,743	729.9	272	2,757	634.4	281	2,935	599.1
Total Fertility Rate			4,621.5			3,649.5			3,172.0			2,995.5
General Fertility Rate			141.2			113.0			98.7			95.7

(continued)



Age of Mother	1968			1969			1970			1971		
	No. of Livebirths	No. of Females	Fertility Rate									
15-19	43	452	95.1	64	501	127.7	46	546	84.3	62	605	102.5
20-24	119	492	241.9	130	596	218.1	136	704	193.2	159	820	193.9
25-29	74	518	142.9	108	573	188.5	107	684	156.4	120	785	152.9
30-34	37	435	85.1	41	471	87.1	40	518	77.2	49	570	86.0
35-39	18	390	46.2	13	392	33.2	11	406	27.1	13	405	32.1
40-44	6	356	16.9	2	366	5.5	5	376	13.3	2	390	5.1
45-49	1	273	3.7	0	309	0.0	0	330	0.0	0	345	0.0
Total	298	2,916	631.8	358	3,208	660.1	345	3,564	551.5	405	3,920	572.5
Total Fertility Rate												2,862.5
General Fertility Rate	3,159.0				3,300.5				2,757.5			
												103.3
												96.8



## APPENDIX 4A

PERCENTAGE DISTRIBUTION OF FERTILITY RATES OF INDIANS  
BY AGE OF MOTHER, YUKON TERRITORY, 1964-71

Age of Mother	1964	1965	1966	1967	1968	1969	1970	1971	Average 1964-71
15-19	7.5	8.1	12.3	13.7	18.4	19.9	17.2	22.3	14.9
20-24	20.2	19.6	16.8	23.2	18.6	29.2	24.2	28.2	22.5
25-29	20.3	22.3	25.4	17.5	25.0	18.4	20.8	20.7	21.3
30-34	23.7	23.2	19.1	23.8	24.1	14.2	13.4	12.2	19.3
35-39	14.1	12.2	9.9	13.2	8.8	10.3	12.3	11.0	11.5
40-44	10.5	11.0	8.0	6.7	5.1	5.9	8.2	3.5	7.3
45-49	3.7	3.6	8.5	1.9	0.0	2.1	3.9	2.1	3.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Calculated from Appendix 3A.



PERCENTAGE DISTRIBUTION OF FERTILITY RATES OF WHITES  
BY AGE OF MOTHER, YUKON TERRITORY, 1964-71

Age of Mother	1964	1965	1966	1967	1968	1969	1970	1971	Average 1964-71
15-19	11.4	10.2	16.6	13.2	15.0	19.4	15.3	17.9	14.9
20-24	37.1	37.3	34.3	32.3	38.3	33.0	35.0	33.9	35.2
25-29	23.9	24.8	26.1	27.9	22.6	28.6	28.4	26.7	26.1
30-34	15.5	16.5	12.9	13.3	13.5	13.2	14.0	15.0	14.2
35-39	8.4	6.7	5.0	11.1	7.3	5.0	4.9	5.6	6.7
40-44	3.7	4.5	5.1	2.2	2.7	0.8	2.4	0.9	2.8
45-49	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.1	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Calculated from Appendix 3B.



## APPENDIX 5

SEX DISTRIBUTION OF BIRTHS BY ETHNIC GROUP,  
YUKON TERRITORY, 1961-1971

Year	Sex Distribution of Births (%)			
	Indian		Whites	
	M	F	M	F
1961	53.5	46.5	50.0	50.0
1962	56.6	43.4	53.3	46.7
1963	45.8	54.2	49.6	50.4
1964	55.5	44.5	51.4	48.6
1965	49.2	50.8	54.2	45.8
1966	43.8	56.2	52.6	47.4
1967	57.8	42.2	49.1	50.9
1968	55.6	44.4	47.0	53.0
1969	60.2	39.8	51.5	48.5
1970	60.4	39.6	50.7	49.3
1971	56.1	43.9	54.2	45.8
Average	54.1	46.0	51.2	48.8

Source: Computer print-out obtained from Statistics Canada,  
Health and Welfare Division, Vital Statistics Section.



PERCENTAGE DISTRIBUTION OF DEATHS BY AGE GROUP,  
SEX AND ETHNIC GROUP, YUKON TERRITORY

Age Group	Indian		Whites	
	Male	Female	Male	Female
Under 1	23.1	29.6	10.6	24.6
1-4	4.6	3.5	1.0	7.0
5-9	5.6	1.7	1.0	1.8
10-14	1.9	2.6	1.0	1.8
15-19	5.6	3.5	1.3	2.6
20-24	5.6	2.6	4.1	2.6
25-29	2.8	5.2	3.0	2.6
30-34	2.8	1.7	4.3	2.6
35-39	1.8	2.6	5.3	2.6
40-44	7.4	3.5	5.1	4.4
45-49	3.7	6.1	5.3	7.0
50-54	3.7	4.3	7.3	2.6
55-59	0.9	2.6	8.8	7.9
60-64	4.6	3.5	9.6	9.7
65-69	6.5	3.5	10.1	4.4
70 -	19.4	23.5	22.2	15.8
<b>TOTAL</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: Based on number of deaths over the period 1964-71 as shown in Appendix 7.



## APPENDIX 7

AVERAGE AGE-SPECIFIC MORTALITY RATES PER 1,000 POPULATION BY SEX, BY ETHNIC GROUP FOR  
A SELECTED PERIOD, YUKON TERRITORY

Age Group	Indian, 1964-71						White, 1964-71								
	No. of Deaths			Population			Death Rates			Population			Death Rates		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Under 1 <sup>1/</sup>	25	34	59	446	368	814	56.1	92.4	72.5	42	28	70	1,373	1,295	2,668
1-4	5	4	9	1,534	1,323	2,857	3.3	3.0	3.2	4	8	12	5,479	5,145	10,624
5-9	6	2	8	1,733	1,616	3,349	3.5	1.2	2.4	4	2	6	6,490	6,325	12,815
10-14	2	3	5	1,223	1,244	2,467	1.6	2.4	2.0	4	2	6	5,210	4,960	10,170
15-19	6	4	10	890	1,100	1,990	6.7	3.6	5.0	5	3	8	3,924	3,632	7,556
20-24	6	3	9	846	877	1,723	7.1	3.4	5.2	16	3	19	4,717	4,336	9,053
25-29	3	6	9	728	589	1,317	4.1	10.2	6.8	12	3	15	5,691	4,476	10,167
30-34	3	2	5	526	502	1,028	5.7	4.0	4.9	17	3	20	5,022	3,804	8,826
35-39	2	3	5	489	458	947	4.1	6.6	5.3	21	3	24	4,662	3,300	7,962
40-44	8	4	12	468	406	874	17.1	9.9	13.7	20	5	25	4,098	2,951	7,049
45-49	4	7	11	330	331	661	12.1	21.2	16.6	21	8	29	3,206	2,335	5,541
50-54	4	5	9	282	247	529	14.2	20.2	17.0	29	3	32	2,428	1,721	4,149
55-59	1	3	4	322	202	524	3.1	14.9	7.6	35	9	44	1,962	1,236	3,198
60-64	5	4	9	189	166	355	26.5	24.1	25.4	38	11	49	1,429	800	2,229
65-69	7	4	11	129	126	255	54.3	31.8	43.1	40	5	45	1,003	547	1,550
70+	21	27	48	350	427	777	60.0	63.2	61.8	88	18	106	1,127	500	1,627
Total	108	115	223	10,408	9,925	20,333	10.4	11.6	11.0	396	114	510	57,806	47,334	105,140

Source: 1. "Number of Deaths" data were obtained from Statistics Canada, Health and Welfare Division, Vital Statistics Section.  
2. Population data were obtained from the same procedures as described in Appendix 3.

Note: 1/ Population under 1 is the number of livebirths over the specified period.



## APPENDIX 8A

COMPONENTS OF POPULATION GROWTH,  
YUKON TERRITORY, 1961-71

Year	Population (June 1)	Population Growth		Natural Increase	Net Migration
		Number	Percentage		
1961	14,628				
1962	15,000	372	2.54	467	- 95
1963	15,000	0	0.0	418	- 418
1964	14,900	- 100	- 0.67	427	- 527
1965	14,600	- 300	- 2.01	329	- 629
1966	14,400	- 200	- 1.37	286	- 486
1967	15,100	700	4.86	310	390
1968	15,000	- 100	- 0.66	286	- 386
1969	16,000	1,000	6.67	367	633
1970	17,000	1,000	6.25	342	658
1971	18,385	1,385	8.15	402	983

Source: 1) Population data were obtained from Statistics Canada, Census Division, Population Estimates and Projection Section.

2) Natural increase data were obtained from Statistics Canada, Vital Statistics Section.

3) Net migration were calculated as residuals.



## APPENDIX 8B

COMPONENTS OF INDIAN POPULATION GROWTH,  
YUKON TERRITORY, 1961-71

Year	Population (June 1)	Population Growth	Natural Increase	Net Migration	Migration Rate Per 100 Population
1961	2,167				
1962	2,245	78	102	- 24	- 1.1
1963	2,301	56	89	- 33	- 1.5
1964	2,343	42	93	- 51	- 2.2
1965	2,407	64	89	- 25	- 1.1
1966	2,455	48	65	- 17	- 0.7
1967	2,537	82	81	1	0.0
1968	2,637	100	45	55	2.2
1969	2,714	77	71	6	0.2
1970	2,660	- 54	79	- 133	- 4.9
1971	2,590	- 70	68	- 138	- 5.2
1961-66 Average	2,320	58	88	- 30	- 1.3
1966-71 Average	2,599	27	69	- 42	- 1.6

Source: (1) Population data were obtained from the same procedures as described in Appendix 3.

(2) Natural increase and net migration data were obtained from the same source as described in Appendix 8A.



## APPENDIX 8C

COMPONENTS OF POPULATION GROWTH OF WHITES  
YUKON TERRITORY, 1961-71

Year	Population (June 1)	Population Growth	Natural Increase	Net Migration	Migration Rate Per 100 Population
1961	12,461				
1962	12,755	294	365	- 71	- 0.6
1963	12,699	- 56	329	- 385	- 3.0
1964	12,557	- 142	334	- 476	- 3.7
1965	12,193	- 364	240	- 604	- 4.8
1966	11,945	- 248	221	- 469	- 3.8
1967	12,563	618	229	389	3.3
1968	12,363	- 200	241	- 441	- 3.5
1969	13,286	923	296	627	5.1
1970	14,340	1,054	263	791	6.0
1971	15,805	1,465	334	1,131	7.9
1961-66 Average	12,435	- 103	298	- 401	- 3.2
1966-71 Average	13,384	772	273	499	3.7

Source: See Appendix 8B.



## APPENDIX 9

## SPRAGUE MULTIPLIERS

The Sprague Multipliers smooth the data reported for any five-year age period. This method simply redistributes the number within the five-year age period into estimated numbers for single years of age, without altering the total reported for the five-year age period.

1. First end-panel multipliers (Graduating  $N_1$ )

	$N_1$	$N_2$	$N_3$	$N_4$	SUM
$n_1$	+ 0.3616	- 0.2768	+ 0.1488	- 0.0336	0.2000
$n_2$	+ 0.2640	- 0.0960	+ 0.0400	- 0.0080	0.2000
$n_3$	+ 0.1840	+ 0.0400	- 0.0320	+ 0.0080	0.2000
$n_4$	+ 0.1200	+ 0.1360	- 0.0720	+ 0.0160	0.2000
$n_5$	+ 0.0704	+ 0.1968	- 0.0848	+ 0.0176	0.2000

2. First next to the end-panel multipliers (Graduating  $N_2$ )

	$N_1$	$N_2$	$N_3$	$N_4$	SUM
$n_1$	+ 0.0336	+ 0.2272	- 0.0752	+ 0.0144	0.2000
$n_2$	+ 0.0080	+ 0.2320	- 0.0480	+ 0.0080	0.2000
$n_3$	- 0.0080	+ 0.2160	- 0.0080	+ 0.0000	0.2000
$n_4$	- 0.0160	+ 0.1840	+ 0.0400	- 0.0080	0.2000
$n_5$	- 0.0176	+ 0.1408	+ 0.0912	- 0.0144	0.2000

3. Mid-panel multipliers ( $N_3$ )

	$N_1$	$N_2$	$N_3$	$N_4$	$N_5$	SUM
$n_1$	- 0.0128	+ 0.0848	+ 0.1504	- 0.0240	+ 0.0016	0.2000
$n_2$	- 0.0016	+ 0.0144	+ 0.2224	- 0.0416	+ 0.0064	0.2000
$n_3$	+ 0.0064	- 0.0336	+ 0.2544	- 0.0336	+ 0.0064	0.2000
$n_4$	+ 0.0064	- 0.0416	+ 0.2224	+ 0.0144	- 0.0016	0.200000
$n_5$	+ 0.0016	- 0.0240	+ 0.1504	+ 0.0848	- 0.0128	0.2000



4. Last next-to-the-end panel multipliers (Graduating N<sub>3</sub>)

	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	SUM
n <sub>1</sub>	- 0.0144	+ 0.0912	+ 0.1408	- 0.0176	0.2000
n <sub>2</sub>	- 0.0080	+ 0.0400	+ 0.1840	- 0.0160	0.2000
n <sub>3</sub>	+ 0.0000	- 0.0080	+ 0.2160	- 0.0080	0.2000
n <sub>4</sub>	+ 0.0080	- 0.0480	+ 0.2320	+ 0.0080	0.2000
n <sub>5</sub>	+ 0.0144	- 0.0752	+ 0.2272	+ 0.0336	0.2000

5. Last end-panel multipliers (Graduating N<sub>4</sub>)

	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	SUM
n <sub>1</sub>	+ 0.0176	- 0.0848	+ 0.1968	+ 0.0704	0.2000
n <sub>2</sub>	+ 0.0160	- 0.0720	+ 0.1360	+ 0.1200	0.2000
n <sub>3</sub>	+ 0.0080	- 0.0320	+ 0.0400	+ 0.1840	0.2000
n <sub>4</sub>	- 0.0080	+ 0.0400	- 0.0960	+ 0.2640	0.2000
n <sub>5</sub>	- 0.0336	+ 0.1488	- 0.2768	+ 0.3616	0.2000

The estimated numbers for single years of age are calculated as follows:

$$n_i = \sum_j N_j M_{ij}$$

Where n<sub>i</sub> = estimated number for single years of age i;

N<sub>j</sub> = reported number for five year age group j;

M<sub>ij</sub> = multiplier of i-th row and j-th column in the selected set of multipliers.

Source: A.J. Jaffe, Handbook of Statistical Method for Demographers, Washington D.C., U.S. Government Printing Office, 1951.



## APPENDIX 10

PROJECTED POPULATION BY ETHNIC GROUP,  
SEX AND AGE FOR THE YUKON TERRITORY,  
1972-1981, PROJECTIONS A, B, C, AND D.

NOTE: In the following Tables the  
sum of individuals is not equal to  
the total due to rounding error.



PROJECTION A



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1972  
PROJECTION A (D<sub>H</sub>, F<sub>M</sub>, M<sub>M</sub>)



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1973

PROJECTION A ( $D_H$ ,  $F_M$ ,  $M_N$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	185	159	344	13.0	928	897	1825	10.7	1113	1056	2169	11.0
5-9	206	179	385	14.6	1020	935	1955	11.5	1226	1114	2340	11.9
10-14	177	180	357	13.5	958	868	1826	10.7	1135	1048	2183	11.1
15-19	128	144	272	10.3	682	662	1344	7.9	810	806	1616	8.2
20-24	94	113	207	7.8	754	772	1526	9.0	848	885	1733	8.8
25-29	87	98	185	7.0	1000	880	1880	11.1	1087	978	2065	10.5
30-34	67	86	153	5.8	925	693	1618	9.5	992	779	1771	9.0
35-39	50	78	128	4.8	686	470	1156	6.8	736	548	1284	6.6
40-44	61	65	126	4.8	621	398	1019	6.0	682	463	1145	5.8
45-49	48	51	99	3.7	517	376	893	5.3	565	427	992	5.1
50-54	35	49	84	3.2	380	286	666	3.9	415	335	750	3.8
55-59	38	40	78	3.0	296	224	520	3.1	334	264	598	3.1
60-64	40	30	70	2.6	215	145	360	2.1	255	175	430	2.2
65-69	31	28	59	2.2	136	58	194	1.1	167	86	253	1.3
70+	45	53	98	3.7	137	83	220	1.3	182	136	318	1.6
TOTAL	1292	1353	2645	100.0	9255	7747	17002	100.0	10547	9100	19647	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1974  
 PROJECTION A ( $D_H$ ,  $F_M$ ,  $M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL			TOTAL		
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	191	161	352	13.2	948	918	1866	10.6	1139	1079	2218	10.9
5-9	200	172	372	13.9	1016	938	1954	11.1	1216	1110	2326	11.5
10-14	187	162	369	13.8	997	901	1898	10.8	1184	1083	2267	11.2
15-19	135	152	287	10.8	763	721	1484	8.4	898	873	1771	8.7
20-24	98	116	214	8.0	711	728	1439	8.2	809	844	1653	8.2
25-29	80	99	179	6.7	996	916	1912	10.9	1076	1015	2091	10.3
30-34	69	87	156	5.8	985	758	1743	9.9	1054	845	1899	9.4
35-39	48	78	126	4.7	741	515	1256	7.1	789	593	1382	6.8
40-44	55	68	123	4.6	620	402	1022	5.8	675	470	1145	5.6
45-49	52	52	104	3.9	562	387	949	5.4	614	439	1053	5.2
50-54	33	47	80	3.0	397	311	708	4.0	430	358	788	3.9
55-59	37	43	80	3.0	310	229	539	3.1	347	272	619	3.1
60-64	40	30	70	2.6	225	166	391	2.2	265	196	461	2.3
65-69	33	27	60	2.3	144	68	212	1.2	177	95	272	1.3
70+	46	53	99	3.7	140	88	228	1.3	186	141	327	1.6
TOTAL	1304	1367	2671	100.0	9555	8046	17601	100.0	10859	9413	20272	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1975  
 PROJECTION A ( $D_H$ ,  $F_M$ ,  $M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL			% DIST.	% DIST.
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		
0-4	202	166	368	13.6	978	945	1923	10.6	1180	1111	2291
5-9	189	163	352	13.0	999	932	1931	10.6	1188	1095	2283
10-14	196	183	379	14.0	1029	929	1958	10.8	1225	1112	2337
15-19	143	160	303	11.2	844	781	1625	8.9	987	941	1928
20-24	103	119	222	8.2	686	696	1382	7.6	789	815	1604
25-29	75	100	175	6.5	982	937	1919	10.5	1057	1037	2094
30-34	71	88	159	5.9	1036	820	1856	10.2	1107	908	2015
35-39	47	78	125	4.6	800	565	1365	7.5	847	643	1490
40-44	49	70	119	4.4	626	412	1038	5.7	675	482	1157
45-49	55	109	164	6.0	396	996	5.5	655	450	1105	5.3
50-54	31	45	76	2.8	418	334	752	4.1	449	379	828
55-59	35	45	80	3.0	324	238	562	3.1	359	283	642
60-64	39	31	70	2.6	236	184	420	2.3	275	215	490
65-69	35	27	62	2.3	152	82	234	1.3	187	109	296
70+	47	54	101	3.8	143	93	236	1.3	190	147	337
TOTAL	1317	1383	2700	100.0	9853	8344	18197	100.0	11170	9727	20897
											100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1976

PROJECTION A (D<sub>H</sub>, F<sub>M</sub>, M<sub>M</sub>)

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	\$DIST.	MALE	FEMALE	TOTAL	\$DIST.	MALE	FEMALE	TOTAL	\$DIST.
UNDER 1	46	39	85	3.10	210	201	411	2.19	255	240	495	2.30
1 - 4	171	135	306	11.22	811	780	1591	8.47	982	915	1897	8.82
5 - 9	171	151	322	11.83	970	915	1885	10.03	1141	1066	2207	10.26
10 - 14	201	183	384	14.10	1054	953	2007	10.68	1256	1136	2391	11.11
15 - 19	152	167	319	11.71	913	832	1744	9.28	1065	999	2064	9.59
20 - 24	110	124	234	8.60	693	692	1384	7.37	803	816	1619	7.52
25 - 29	70	102	172	6.33	958	939	1897	10.10	1028	1042	2070	9.62
30 - 34	71	88	159	5.85	1071	875	1945	10.35	1142	963	2105	9.78
35 - 39	46	79	125	4.58	859	621	1479	7.87	905	700	1604	7.46
40 - 44	45	72	116	4.27	646	431	1077	5.73	690	503	1193	5.55
45 - 49	55	55	110	4.04	626	403	1029	5.47	680	458	1138	5.29
50 - 54	31	45	76	2.78	446	355	800	4.26	477	399	876	4.07
55 - 59	34	46	80	2.94	338	250	589	3.13	372	297	669	3.11
60 - 64	38	32	70	2.57	247	199	446	2.38	285	231	516	2.40
65 - 69	35	26	62	2.27	160	99	259	1.38	195	125	321	1.49
70 +	50	54	104	3.81	147	98	245	1.31	197	152	349	1.62
Total	1326	1399	2725	100.00	10146	8642	18789	100.00	11473	10041	21514	100.00



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1977

PROJECTION A (D<sub>H</sub>, F<sub>M</sub>, M<sub>M</sub>)

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	223	176	399	14.5	1044	1001	2045	10.6	1267	1177	2444	11.0
5-9	168	147	315	11.5	970	922	1892	9.8	1138	1069	2207	10.0
10-14	200	178	378	13.8	1061	963	2024	10.4	1261	1141	2402	10.9
15-19	162	173	335	12.2	971	876	1847	9.5	1133	1049	2182	9.9
20-24	118	130	248	9.0	728	712	1440	7.4	846	842	1688	7.6
25-29	67	104	171	6.2	926	924	1850	9.5	993	1028	2021	9.1
30-34	69	89	158	5.7	1092	924	2016	10.4	1161	1013	2174	9.8
35-39	46	80	126	4.6	919	680	1599	8.3	965	760	1725	7.8
40-44	41	74	115	4.2	679	459	1138	5.9	720	533	1253	5.7
45-49	52	57	109	4.0	641	407	1048	5.4	693	464	1157	5.2
50-54	32	44	76	2.8	479	372	851	4.4	511	416	927	4.2
55-59	32	46	78	2.8	353	268	621	3.2	385	314	699	3.2
60-64	37	34	71	2.6	258	208	466	2.4	295	242	537	2.4
65-69	36	25	61	2.2	169	127	296	1.5	205	152	357	1.6
70+	53	55	108	3.9	152	100	252	1.3	205	155	360	1.6
TOTAL	1336	1412	2748	100.0	10442	8943	19385	100.0	11778	10355	22133	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1978  
 PROJECTION A ( $D_H$ ,  $F_H$ ,  $M_H$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	227	177	404	14.6	1063	1018	2081	10.4	1290	1195	2485	10.9
5-9	169	145	314	11.3	979	935	1914	9.6	1148	1080	2228	9.8
10-14	193	171	364	13.1	1057	965	2022	10.1	1250	1136	2386	10.5
15-19	175	178	353	12.7	1023	917	1940	9.7	1198	1095	2293	10.1
20-24	125	138	263	9.5	788	753	1541	7.7	913	891	1804	7.9
25-29	70	106	176	6.4	884	889	1773	8.9	954	995	1949	8.6
30-34	62	90	152	5.5	1100	969	2069	10.4	1162	1059	2221	9.8
35-39	50	80	130	4.7	982	744	1726	8.6	1032	824	1856	8.2
40-44	37	74	111	4.0	722	496	1218	6.1	759	570	1329	5.8
45-49	48	60	108	3.9	645	410	1055	5.3	693	470	1163	5.1
50-54	35	45	80	2.9	521	386	907	4.6	556	431	987	4.3
55-59	29	45	74	2.7	367	290	657	3.3	396	335	731	3.2
60-64	36	37	73	2.6	270	215	485	2.4	306	252	558	2.4
65-69	35	24	59	2.1	178	149	327	1.6	213	173	386	1.7
70+	55	55	110	4.0	158	109	267	1.3	213	164	377	1.7
TOTAL	1346	1425	2771	100.0	10737	9245	19982	100.0	12083	10670	22753	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1979

PROJECTION A ( $D_H$ ,  $F_M$ ,  $M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	226	176	402	14.4	1076	1029	2105	10.2	1205	1205	2507	10.7
5-9	175	147	322	11.5	998	956	1954	9.5	1173	1103	2276	9.7
10-14	183	163	346	12.4	1046	963	2009	9.8	1229	1126	2355	10.1
15-19	187	181	368	13.1	1066	953	2019	9.8	1253	1134	2387	10.2
20-24	130	146	276	9.9	865	808	1673	8.1	995	954	1949	8.3
25-29	78	108	186	6.7	842	846	1688	8.2	920	954	1874	8.0
30-34	52	92	144	5.1	1096	1006	2102	10.2	1148	1098	2246	9.6
35-39	55	81	136	4.9	1042	808	1850	9.0	1097	889	1986	8.5
40-44	33	75	108	3.9	775	540	1315	6.4	808	615	1423	6.1
45-49	44	63	107	3.8	644	414	1058	5.1	688	477	1165	5.0
50-54	38	46	84	3.0	565	396	961	4.7	603	442	1045	4.5
55-59	27	43	70	2.5	382	316	698	3.4	409	359	768	3.3
60-64	35	40	75	2.7	283	221	504	2.5	318	261	579	2.5
65-69	35	25	60	2.1	187	166	353	1.7	222	191	413	1.8
70+	58	55	113	4.0	165	125	290	1.4	223	180	403	1.7
TOTAL	1356	1441	2797	100.0	11032	9547	20579	100.0	12388	10988	23376	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1980

PROJECTION A ( $D_H$ ,  $F_H$ ,  $M_H$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE		FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.			
	MALE	FEMALE				MALE	FEMALE					
0-4	219	172	391	13.9	10.76	1030	2106	9.9	1295	1202	2497	10.4
5-9	188	153	341	12.1	10.32	986	2018	9.5	1220	1139	2359	9.8
10-14	174	155	329	11.7	10.35	961	1996	9.4	1209	1116	2325	9.7
15-19	196	182	378	13.4	10.98	981	2079	9.8	1294	1163	2457	10.2
20-24	137	154	291	10.3	944	866	1810	8.6	1081	1020	2101	8.8
25-29	85	111	196	7.0	818	816	1634	7.7	903	927	1830	7.6
30-34	44	94	138	4.9	1080	1026	2106	9.9	1124	1120	2244	9.3
35-39	58	81	139	4.9	1092	869	1961	9.3	1150	950	2100	8.8
40-44	30	75	105	3.7	832	591	1423	6.7	862	666	1528	6.4
45-49	39	65	104	3.7	649	424	1073	5.1	688	489	1177	4.9
50-54	41	48	89	3.2	602	404	1006	4.8	643	452	1095	4.6
55-59	25	41	66	2.3	402	340	742	3.5	427	381	808	3.4
60-64	34	42	76	2.7	296	230	526	2.5	330	272	602	2.5
65-69	34	26	60	2.1	196	180	376	1.8	230	206	436	1.8
70+	62	54	116	4.1	172	146	318	1.5	234	200	434	1.8
TOTAL	1366	1453	2819	100.0	11324	9850	21174	100.0	12690	11303	23993	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1981

PROJECTION A       $(D_H, F_M, M_M)$ 

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	\$DIST.	MALE	FEMALE	TOTAL	\$DIST.	MALE	FEMALE	TOTAL	%DIST.
UNDER 1	43	37	80	2.83	221	212	433	1.99	264	249	513	2.09
1 - 4	160	125	285	10.03	840	808	1648	7.57	1000	933	1933	7.85
5 - 9	208	164	372	13.10	1083	1029	2112	9.70	1291	1193	2483	10.09
10 - 14	168	149	316	11.15	1028	962	1990	9.14	1196	1111	2307	9.37
15 - 19	198	180	378	13.33	1116	999	2115	9.71	1314	1179	2493	10.13
20 - 24	147	161	308	10.85	1014	918	1932	8.87	1161	1079	2240	9.10
25 - 29	90	116	206	7.27	823	810	1634	7.50	913	927	1840	7.48
30 - 34	41	96	137	4.81	1056	1028	2084	9.57	1097	1124	2221	9.02
35 - 39	57	82	139	4.90	1126	925	2051	9.42	1183	1007	2190	8.90
40 - 44	30	76	106	3.74	891	646	1537	7.06	922	721	1643	6.68
45 - 49	34	67	101	3.56	668	442	1111	5.10	702	509	1212	4.92
50 - 54	41	50	90	3.18	627	411	1039	4.77	668	461	1129	4.59
55 - 59	25	41	65	2.31	429	359	788	3.62	454	400	853	3.47
60 - 64	32	43	75	2.64	310	243	552	2.54	341	286	627	2.55
65 - 69	33	28	61	2.16	206	191	397	1.82	239	220	458	1.86
70 <sup>+</sup>	65	53	117	4.14	182	171	352	1.62	246	223	469	1.91
Total	1372	1466	2838	100.00	11620	10154	21774	100.00	12992	11620	24612	100.00



PROJECTION B



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1972  
 PROJECTION B (D<sub>M</sub>, F<sub>M</sub>, M<sub>N</sub>)

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	183	161	344	13.1	916	882	1798	11.0	1099	1043	2142	11.2
5-9	208	183	391	14.8	1012	924	1936	11.8	1220	1107	2327	12.2
10-14	166	176	342	13.0	909	830	1739	10.6	1075	1006	2081	10.9
15-19	121	137	258	9.8	621	621	1242	7.6	742	758	1500	7.9
20-24	92	112	204	7.8	797	808	1605	9.8	889	920	1809	9.5
25-29	94	97	191	7.3	992	835	1827	11.1	1086	932	2018	10.6
30-34	64	85	149	5.7	862	629	1491	9.1	926	714	1640	8.6
35-39	54	77	131	5.0	642	433	1075	6.5	696	510	1206	6.3
40-44	65	62	127	4.8	617	395	1012	6.2	682	457	1139	6.0
45-49	46	50	96	3.7	476	362	838	5.1	522	412	934	4.9
50-54	38	50	88	3.4	366	264	630	3.8	404	314	718	3.8
55-59	39	37	76	2.9	284	217	501	3.0	323	254	577	3.0
60-64	40	30	70	2.7	206	124	330	2.0	246	154	400	2.1
65-69	29	29	58	2.2	129	52	181	1.1	158	81	239	1.3
70+	46	52	98	3.8	139	78	217	1.3	185	130	315	1.7
TOTAL	1285	1338	2623	100.0	8968	7454	16422	100.0	10253	8792	19045	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1973

PROJECTION B (D<sub>M</sub>, F<sub>M</sub>, M<sub>N</sub>)

AGE GROUP	INDIAN			WHITE			TOTAL			# DIST.		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL			
0-4	187	162	349	13.1	931	899	1830	10.7	1118	1061	2179	11.1
5-9	207	179	386	14.5	1020	936	1956	11.4	1227	1115	2342	11.9
10-14	177	180	357	13.4	958	868	1826	10.7	1135	1048	2183	11.1
15-19	128	145	273	10.3	683	662	1345	7.9	811	807	1618	8.2
20-24	95	114	209	7.9	755	773	1528	9.0	850	887	1737	8.8
25-29	87	98	185	6.9	1001	881	1882	11.1	1088	979	2067	10.5
30-34	67	86	153	5.7	925	693	1618	9.5	992	779	1771	9.0
35-39	50	78	128	4.8	688	470	1158	6.8	738	548	1286	6.5
40-44	61	65	126	4.7	622	398	1020	6.0	683	463	1146	5.8
45-49	49	51	100	3.8	519	376	895	5.3	568	427	995	5.0
50-54	36	49	85	3.2	382	287	669	3.9	418	336	754	3.8
55-59	39	40	79	3.0	298	224	522	3.1	337	264	601	3.1
60-64	40	30	70	2.6	217	146	363	2.1	257	176	433	2.2
65-69	32	28	60	2.3	138	59	197	1.2	170	87	257	1.3
70+	46	55	101	3.8	143	85	228	1.3	189	140	329	1.7
TOTAL	1301	1360	2661	100.0	9280	7757	17037	100.0	10581	9117	19698	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1974

PROJECTION B (D<sub>M</sub>, F<sub>M</sub>, M<sub>y</sub>)

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	194	165	359	13.3	952	922	1874	10.6	1146	1087	2233	11.0
5-9	201	173	374	13.9	1017	940	1957	11.1	1218	1113	2331	11.5
10-14	187	183	370	13.7	997	901	1898	10.8	1184	1084	2268	11.1
15-19	135	153	288	10.7	763	721	1484	8.4	898	874	1772	8.7
20-24	99	116	215	8.0	712	728	1440	8.2	811	844	1655	8.1
25-29	81	99	180	6.7	998	917	1915	10.8	1079	1016	2095	10.3
30-34	70	87	157	5.8	987	758	1745	9.9	1057	845	1902	9.3
35-39	49	78	127	4.7	743	515	1258	7.1	792	593	1385	6.8
40-44	55	68	123	4.5	622	402	1024	5.8	677	470	1147	5.6
45-49	53	52	105	3.9	564	388	952	5.4	617	440	1057	5.2
50-54	33	48	81	3.0	399	312	711	4.0	432	360	792	3.9
55-59	37	43	80	3.0	313	230	543	3.1	350	273	623	3.1
60-64	40	30	70	2.6	229	167	396	2.2	269	197	466	2.3
65-69	34	28	62	2.3	147	70	217	1.2	181	98	279	1.4
70+	49	57	106	3.9	149	90	239	1.4	198	147	345	1.7
TOTAL	1317	1380	2697	100.0	9592	8061	17653	100.0	10909	9441	20350	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1975  
 PROJECTION B ( $D_M$ ,  $F_M$ ,  $M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL			%DIST.
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	
0-4	206	171	377	13.8	983	951	1934	10.6	1189	11.0
5-9	191	164	355	13.0	1001	934	1935	10.6	1192	10.9
10-14	196	184	380	13.9	1029	929	1958	10.7	1225	11.1
15-19	144	161	305	11.1	844	782	1626	8.9	988	9.2
20-24	104	120	224	8.2	688	697	1385	7.6	792	7.7
25-29	76	101	177	6.5	983	938	1921	10.5	1059	10.0
30-34	71	88	159	5.8	1037	820	1857	10.2	1108	9.6
35-39	47	79	126	4.6	802	566	1368	7.5	849	7.1
40-44	49	71	120	4.4	628	413	1041	5.7	677	5.5
45-49	56	54	110	4.0	602	398	1000	5.5	658	5.3
50-54	32	46	78	2.8	421	336	757	4.1	453	4.0
55-59	36	46	82	3.0	328	239	567	3.1	364	3.1
60-64	39	31	70	2.6	241	186	427	2.3	280	2.4
65-69	36	27	63	2.3	157	84	241	1.3	193	1.4
70+	51	58	109	4.0	157	97	254	1.4	208	1.7
TOTAL	1334	1401	2735	100.0	9901	8370	18271	100.0	11235	100.0
									9771	21006



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1976

### PROJECTION B (D<sub>M</sub>, F<sub>M</sub>, M<sub>M</sub>)

AGE GROUP	INDIAN				WHITE				TOTAL			
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
UNDER 1	46	39	85	3.07	210	411	201	2.18	256	240	496	2.29
1 - 4	176	140	316	11.42	817	788	1604	8.50	993	928	1921	8.87
5 - 9	174	153	327	11.79	972	918	1890	10.01	1146	1071	2216	10.23
10 - 14	202	183	386	13.92	1055	953	2008	10.63	1257	1136	2394	11.05
15 - 19	153	168	320	11.57	913	833	1746	9.24	1066	1000	2066	9.54
20 - 24	112	125	236	8.53	694	693	1387	7.34	806	817	1623	7.50
25 - 29	71	103	174	6.29	960	940	1900	10.06	1031	1043	2074	9.58
30 - 34	72	89	161	5.81	1073	875	1948	10.32	1144	965	2109	9.74
35 - 39	47	79	126	4.54	862	621	1483	7.85	908	701	1609	7.43
40 - 44	45	73	118	4.26	649	432	1081	5.73	695	505	1199	5.54
45 - 49	56	56	112	4.05	629	404	1034	5.47	685	461	1146	5.29
50 - 54	32	46	78	2.80	449	356	806	4.27	481	402	883	4.08
55 - 59	34	47	81	2.94	343	252	595	3.15	378	299	677	3.13
60 - 64	39	33	71	2.57	253	202	455	2.41	291	235	526	2.43
65 - 69	37	27	64	2.30	166	101	267	1.42	203	128	331	1.53
70 <sup>f</sup>	55	59	115	4.14	165	104	269	1.42	221	163	384	1.77
Total	1351	1420	22770	100.00	10211	8673	18884	100.00	11561	10093	21655	100.00



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1977

### PROJECTION B ( $D_M$ , $F_M$ , $M_M$ )



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1978  
 PROJECTION B (D<sub>M</sub>, F<sub>M</sub>, M<sub>N</sub>)

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	233	184	417	14.7	1071	1027	2098	10.4	1304	1211	2515	11.0
5-9	173	149	322	11.3	982	941	1923	9.6	1155	1090	2245	9.8
10-14	195	172	367	12.9	1058	966	2024	10.1	1253	1138	2391	10.4
15-19	176	179	355	12.5	1024	918	1942	9.6	1200	1097	2297	10.0
20-24	126	139	265	9.3	790	754	1544	7.7	916	893	1809	7.9
25-29	72	107	179	6.3	886	890	1776	8.8	958	997	1955	8.5
30-34	63	92	155	5.5	1103	970	2073	10.3	1166	1062	2228	9.7
35-39	50	61	131	4.6	986	745	1731	8.6	1036	826	1862	8.1
40-44	39	75	114	4.0	727	497	1224	6.1	766	572	1338	5.8
45-49	50	61	111	3.9	650	412	1062	5.3	700	473	1173	5.1
50-54	37	47	84	3.0	526	388	914	4.5	563	435	998	4.3
55-59	30	46	76	2.7	374	292	666	3.3	404	338	742	3.2
60-64	37	38	75	2.7	278	218	496	2.5	315	256	571	2.5
65-69	37	25	62	2.2	187	153	340	1.7	224	178	402	1.8
70+	64	62	126	4.4	185	117	302	1.5	249	179	428	1.9
TOTAL	1382	1457	2839	100.0	10827	9288	20115	100.0	12209	10745	22954	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1979  
 PROJECTION B ( $D_M$ ,  $F_M$ ,  $M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL			% DIST.		
	MALE	FEMALE	TOTAL	% DIST.	MALE	FEMALE	TOTAL	% DIST.	MALE	FEMALE	TOTAL	
0-4	233	183	416	14.5	1084	1038	2122	10.2	1317	1221	2538	10.7
5-9	180	152	332	11.6	1004	963	1967	9.5	1184	1115	2299	9.7
10-14	185	164	349	12.2	1048	965	2013	9.7	1233	1129	2362	10.0
15-19	189	182	371	12.9	1067	954	2021	9.7	1256	1136	2392	10.1
20-24	132	147	279	9.7	868	809	1677	8.1	1000	956	1956	8.3
25-29	79	109	188	6.5	845	848	1693	8.2	924	957	1881	8.0
30-34	53	93	146	5.1	1099	1007	2106	10.2	1152	1100	2252	9.5
35-39	56	82	138	4.8	1047	809	1856	8.9	1103	891	1994	8.5
40-44	34	76	110	3.8	780	542	1322	6.4	814	618	1432	6.1
45-49	46	64	110	3.8	649	416	1065	5.1	695	480	1175	5.0
50-54	40	48	88	3.1	571	399	970	4.7	611	447	1058	4.5
55-59	28	45	73	2.5	390	318	708	3.4	418	363	781	3.3
60-64	36	41	77	2.7	293	225	518	2.5	329	266	595	2.5
65-69	36	26	62	2.2	197	171	368	1.8	233	197	430	1.8
70+	68	64	132	4.6	198	135	333	1.6	266	199	465	2.0
TOTAL	1395	1476	2871	100.0	11140	9599	20739	100.0	12535	11075	23610	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1980

PROJECTION B (D<sub>M</sub>, F<sub>M</sub>, M<sub>M</sub>)

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	226	179	405	13.9	1084	1040	2124	10.0	1310	1219	2529	10.4
5-9	194	159	353	12.2	1039	995	2034	9.5	1233	1154	2387	9.8
10-14	177	157	334	11.5	1037	963	2000	9.4	1214	1120	2334	9.6
15-19	197	183	380	13.1	1099	982	2081	9.7	1296	1165	2461	10.1
20-24	139	156	295	10.2	946	867	1813	8.5	1085	1023	2108	8.7
25-29	87	112	199	6.8	822	818	1640	7.7	909	930	1839	7.6
30-34	45	95	140	4.8	1085	1028	2113	9.9	1130	1123	2253	9.3
35-39	59	82	141	4.9	1097	871	1968	9.2	1156	953	2109	8.7
40-44	32	76	108	3.7	838	592	1430	6.7	870	668	1538	6.3
45-49	41	67	108	3.7	655	426	1081	5.1	696	493	1189	4.9
50-54	43	50	93	3.2	609	408	1017	4.8	652	458	1110	4.6
55-59	26	43	69	2.4	411	343	754	3.5	437	386	823	3.4
60-64	35	43	78	2.7	307	234	541	2.5	342	277	619	2.6
65-69	36	27	63	2.2	208	185	393	1.8	244	212	456	1.9
70+	72	64	136	4.7	211	159	370	1.7	283	223	506	2.1
TOTAL	1409	1493	2902	100.0	11448	9911	21359	100.0	12857	11404	24261	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1981

PROJECTION B ( $D_M, F_M, M_M$ )

AGE GROUP	INDIAN				WHITE				TOTAL			
	MALE	FEMALE	TOTAL	\$DIST.	MALE	FEMALE	TOTAL	\$DIST.	MALE	FEMALE	TOTAL	\$DIST.
UNDER 1	44	37	81	2.77	221	212	434	1.97	265	250	515	2.07
1 - 4	166	131	297	10.14	848	817	1665	7.58	1014	948	1962	7.88
5 - 9	216	171	387	13.21	1091	1040	2131	9.70	1307	1211	2518	10.11
10 - 14	171	151	322	10.99	1031	966	1997	9.08	1202	1117	2319	9.31
15 - 19	200	181	381	13.00	1117	1000	2118	9.63	1318	1181	2499	10.03
20 - 24	149	162	311	10.63	1016	920	1936	8.81	1165	1082	2247	9.02
25 - 29	93	118	210	7.17	827	812	1640	7.46	920	930	1850	7.43
30 - 34	43	97	140	4.77	1061	1030	2090	9.51	1104	1127	2231	8.95
35 - 39	58	83	141	4.83	1132	926	2058	9.36	1190	1010	2200	8.83
40 - 44	32	77	109	3.70	898	648	1546	7.03	930	724	1654	6.64
45 - 49	36	69	105	3.58	675	445	1121	5.10	712	514	1226	4.92
50 - 54	43	52	94	3.22	635	415	1050	4.78	678	466	1144	4.59
55 - 59	26	42	69	2.35	438	362	801	3.64	465	405	870	3.49
60 - 64	33	44	77	2.64	321	247	568	2.59	354	292	646	2.59
65 - 69	35	30	64	2.20	218	197	415	1.89	253	226	480	1.93
70 <sup>t</sup>	77	64	141	4.80	226	185	411	1.87	303	249	552	2.22
Total	1421	1509	2930	100.00	11758	10223	21981	100.00	13179	11732	24911	100.00



PROJECTION C



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1972

PROJECTION C (D<sub>L</sub>, F<sub>M</sub>, M<sub>N</sub>)

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	184	162	346	13.2	917	884	1801	11.0	1101	1046	2147	11.2
5-9	208	183	391	14.7	1013	924	1937	11.8	1221	1107	2328	12.2
10-14	166	176	342	13.0	909	830	1739	10.6	1075	1006	2081	10.9
15-19	122	137	259	9.8	621	621	1242	7.6	743	758	1501	7.9
20-24	92	112	204	7.8	797	808	1605	9.8	889	920	1809	9.5
25-29	94	97	191	7.3	993	835	1828	11.1	1087	932	2019	10.6
30-34	64	85	149	5.7	862	630	1492	9.1	926	715	1641	8.6
35-39	54	77	131	5.0	643	433	1076	6.5	697	510	1207	6.3
40-44	65	63	128	4.9	618	396	1014	6.2	683	459	1142	6.0
45-49	46	50	96	3.7	476	362	838	5.1	522	412	934	4.9
50-54	38	50	88	3.3	367	264	631	3.8	405	314	719	3.8
55-59	40	37	77	2.9	285	217	502	3.0	325	254	579	3.0
60-64	41	30	71	2.7	207	125	332	2.0	248	155	403	2.1
65-69	29	29	58	2.2	130	52	182	1.1	159	81	240	1.3
70+	47	53	100	3.8	142	79	221	1.3	189	132	321	1.7
TOTAL	1290	1341	2631	100.0	8980	7460	16440	100.0	10270	8801	19071	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1973

PROJECTION C ( $D_L$ ,  $F_M$ ,  $M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	190	165	355	13.2	933	903	1836	10.8	1123	1068	2191	11.1
5-9	208	179	387	14.5	1021	937	1958	11.5	1229	1116	2345	11.9
10-14	177	180	357	13.3	958	869	1827	10.7	1135	1049	2184	11.1
15-19	128	145	273	10.2	683	663	1346	7.9	811	808	1619	8.2
20-24	95	114	209	7.8	756	773	1529	8.9	851	887	1738	8.8
25-29	87	99	186	6.9	1002	881	1883	11.0	1089	980	2069	10.5
30-34	68	86	154	5.8	927	694	1621	9.5	995	780	1775	9.0
35-39	51	78	129	4.8	689	470	1159	6.8	740	548	1288	6.5
40-44	62	65	127	4.7	624	399	1023	6.0	686	464	1150	5.8
45-49	49	51	100	3.7	520	377	897	5.2	569	428	997	5.0
50-54	36	50	86	3.2	383	287	670	3.9	419	337	756	3.8
55-59	39	41	80	3.0	301	225	526	3.1	340	266	606	3.1
60-64	41	30	71	2.7	219	147	366	2.1	260	177	437	2.2
65-69	33	29	62	2.3	141	60	201	1.2	174	89	263	1.3
70+	48	57	105	3.9	150	87	237	1.4	198	144	342	1.7
TOTAL	1312	1369	2681	100.0	9307	7772	17079	100.0	10619	9141	19760	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1974  
 PROJECTION C ( $D_L$ ,  $F_M$ ,  $M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL			% DIST.	
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		
0-4	198	169	367	13.5	956	928	1884	10.6	1154	1097	2251 11.0
5-9	202	173	375	13.7	1018	941	1959	11.1	1220	1114	2334 11.4
10-14	188	183	371	13.6	998	901	1899	10.7	1186	1084	2270 11.1
15-19	136	153	289	10.6	764	722	1486	8.4	900	875	1775 8.7
20-24	100	117	217	8.0	713	729	1442	8.1	813	846	1659 8.1
25-29	82	100	182	6.7	999	917	1916	10.8	1081	1017	2098 10.3
30-34	70	88	158	5.8	988	759	1747	9.9	1058	847	1905 9.3
35-39	49	79	128	4.7	745	516	1261	7.1	794	595	1389 6.8
40-44	56	68	124	4.5	624	403	1027	5.8	680	471	1151 5.6
45-49	54	53	107	3.9	566	389	955	5.4	620	442	1062 5.2
50-54	34	48	82	3.0	402	313	715	4.0	436	361	797 3.9
55-59	38	44	82	3.0	316	231	547	3.1	354	275	629 3.1
60-64	40	31	71	2.6	232	169	401	2.3	272	200	472 2.3
65-69	35	28	63	2.3	151	71	222	1.3	186	99	285 1.4
70+	52	59	111	4.1	160	94	254	1.4	212	153	365 1.8
TOTAL	1334	1393	2727	100.0	9632	8083	17715	100.0	10966	9476	20442 100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1975

PROJECTION C ( $D_L$ ,  $F_M$ ,  $m_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL			MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL					MALE	FEMALE	TOTAL	
0-4	211	176	387	13.9	988	948	1936	10.5	1199	1124				2323			11.0
5-9	192	165	357	12.9	1002	936	1938	10.6	1194	1101				2295			10.7
10-14	197	184	381	13.7	1030	930	1960	10.7	1227	1114				2341			11.1
15-19	144	161	305	11.0	845	782	1627	8.9	989	943				1932			9.2
20-24	105	121	226	8.1	689	697	1386	7.5	794	818				1612			7.6
25-29	77	102	179	6.5	986	939	1925	10.5	1063	1041				2104			10.0
30-34	72	89	161	5.8	1039	821	1860	10.1	1111	910				2021			9.6
35-39	48	79	127	4.6	805	567	1372	7.5	853	646				1499			7.1
40-44	50	71	121	4.4	631	413	1044	5.7	681	484				1165			5.5
45-49	57	55	112	4.0	605	399	1004	5.5	662	454				1116			5.3
50-54	33	47	80	2.9	425	337	762	4.2	458	384				842			4.0
55-59	36	46	82	3.0	332	240	572	3.1	368	286				654			3.1
60-64	40	32	72	2.6	246	189	435	2.4	286	221				507			2.4
65-69	37	28	65	2.3	162	86	248	1.3	199	114				313			1.5
70+	57	62	119	4.3	172	102	274	1.5	229	164				393			1.9
TOTAL	1356	1418	2774	100.0	9957	8386	18343	100.0	11313	9804				21117			100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1976

PROJECTION C ( $D_L, F_M, M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
UNDER 1	46	39	86	3.03	210	201	411	2.17	256	241	497	2.28
1 - 4	182	146	328	11.63	823	796	1619	8.53	1005	942	1946	8.93
5 - 9	176	155	331	11.75	974	922	1895	9.98	1150	1076	2226	10.21
10 - 14	203	184	387	13.74	1055	954	2009	10.58	1259	1138	2396	10.99
15 - 19	154	168	322	11.43	914	833	1747	9.20	1068	1002	2069	9.49
20 - 24	113	125	238	8.46	696	693	1389	7.32	809	819	1628	7.46
25 - 29	72	104	176	6.25	963	941	1904	10.02	1035	1045	2080	9.54
30 - 34	72	90	162	5.76	1075	876	1952	10.28	1148	966	2114	9.69
35 - 39	47	80	127	4.50	865	622	1487	7.83	912	702	1614	7.40
40 - 44	46	73	120	4.25	653	433	1086	5.72	699	506	1206	5.53
45 - 49	57	57	115	4.07	633	406	1039	5.47	690	464	1154	5.29
50 - 54	33	47	80	2.83	454	358	812	4.27	487	405	891	4.09
55 - 59	35	48	83	2.94	349	254	602	3.17	384	301	685	3.14
60 - 64	39	33	72	2.57	259	205	464	2.44	298	238	536	2.46
65 - 69	38	28	66	2.34	173	104	277	1.46	211	132	343	1.57
70+	61	65	126	4.46	185	110	292	1.55	246	175	421	1.93
Total	1376	1442	2818	100.00	10280	8709	13989	100.00	11656	10151	21807	100.00



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1977

PROJECTION C ( $D_L$ ,  $F_N$ ,  $M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL			%DIST.		
	MALE		FEMALE	TOVAL	MALE	FEMALE	TOVAL	MALE	FEMALE			
	MALE	FEMALE	%DIST.	MALE	FEMALE	%DIST.	MALE	FEMALE	%DIST.			
0-4	236	190	4.26	14.9	1058	1020	2078	10.6	1294	1210	2504	11.2
5-9	175	152	3.27	11.4	976	931	1907	9.7	1151	1083	2234	9.9
10-14	202	180	3.82	13.3	1063	965	2028	10.3	1265	1145	2410	10.7
15-19	164	174	3.38	11.8	973	878	1851	9.4	1137	1052	2189	9.7
20-24	122	132	2.54	8.9	732	714	1446	7.4	854	846	1700	7.6
25-29	70	106	1.76	6.1	931	926	1857	9.5	1001	1032	2033	9.1
30-34	71	91	1.62	5.6	1098	926	2024	10.3	1169	1017	2186	9.7
35-39	47	81	1.28	4.5	926	682	1608	8.2	973	763	1736	7.7
40-44	44	75	1.19	4.1	687	461	1148	5.8	731	536	1267	5.6
45-49	55	60	1.15	4.0	650	412	1062	5.4	705	472	1177	5.2
50-54	35	47	82	2.9	489	376	865	4.4	524	423	947	4.2
55-59	34	48	82	2.9	366	272	638	3.3	400	320	720	3.2
60-64	38	36	74	2.6	273	215	488	2.5	311	251	562	2.5
65-69	38	27	65	2.3	185	133	318	1.6	223	160	383	1.7
70+	67	68	135	4.7	199	114	313	1.6	266	182	448	2.0
TOTAL	1398	1467	2865	100.0	10606	9025	19631	100.0	12004	10492	22496	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1978

PROJECTION C ( $D_L$ ,  $F_M$ ,  $M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL			% DIST.		
	MALE	FEEMALE	TOTAL	MALE	FEEMALE	TOTAL	MALE	FEEMALE	TOTAL			
0-4	240	192	432	14.9	1079	1038	2117	10.4	1319	1230	2549	11.0
5-9	177	153	330	11.4	987	947	1934	9.5	1164	1100	2264	9.8
10-14	196	173	369	12.7	1059	968	2027	10.0	1255	1141	2396	10.3
15-19	177	179	356	12.2	1025	919	1944	9.6	1202	1098	2300	9.9
20-24	128	140	268	9.2	793	755	1548	7.6	921	895	1816	7.8
25-29	73	108	181	6.2	890	891	1781	8.8	963	999	1962	8.5
30-34	64	93	157	5.4	1107	972	2079	10.3	1171	1065	2236	9.6
35-39	51	82	133	4.6	990	746	1736	8.6	1041	828	1869	8.1
40-44	40	76	116	4.0	732	498	1230	6.1	772	574	1346	5.8
45-49	52	63	115	4.0	655	415	1070	5.3	707	478	1185	5.1
50-54	38	48	86	3.0	532	391	923	4.6	570	439	1009	4.4
55-59	31	48	79	2.7	382	295	677	3.3	413	343	756	3.3
60-64	38	39	77	2.6	287	222	509	2.5	325	261	586	2.5
65-69	38	26	64	2.2	196	157	353	1.7	234	183	417	1.8
70+	72	71	143	4.9	215	127	342	1.7	287	198	485	2.1
TOTAL	1415	1491	2906	100.0	10929	9341	20270	100.0	12344	10832	23176	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1979

PROJECTION C ( D<sub>L</sub>, F<sub>M</sub>, M<sub>H</sub> )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	239	191	430	14.6	1093	1049	2142	10.2	1332	1240	2572	10.8
5-9	186	157	343	11.6	1009	971	1980	9.5	1195	1128	2323	9.7
10-14	188	165	353	12.0	1049	967	2016	9.6	1237	1132	2369	9.9
15-19	190	183	373	12.7	1069	955	2024	9.7	1259	1138	2397	10.0
20-24	134	148	282	9.6	870	811	1681	8.0	1004	959	1963	8.2
25-29	81	110	191	6.5	849	849	1698	8.1	930	959	1889	7.9
30-34	54	95	149	5.0	1104	1008	2112	10.1	1158	1103	2261	9.5
35-39	57	83	140	4.7	1052	810	1862	8.9	1109	893	2002	8.4
40-44	36	77	113	3.8	786	543	1329	6.4	822	620	1442	6.1
45-49	48	66	114	3.9	655	419	1074	5.1	703	485	1188	5.0
50-54	42	50	92	3.1	578	402	980	4.7	620	452	1072	4.5
55-59	29	46	75	2.5	399	321	720	3.4	428	367	795	3.3
60-64	37	42	79	2.7	303	229	532	2.6	340	271	611	2.6
65-69	38	27	65	2.2	208	176	384	1.9	246	203	449	1.9
70+	78	72	150	5.1	233	147	380	1.8	311	219	530	2.2
TOTAL	1437	1512	2949	100.0	11257	9657	20914	100.0	12694	11169	23863	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1980

PROJECTION C ( $D_L$ ,  $F_M$ ,  $M_M$ )

AGE GROUP	INDIAN			WHITE			TOTAL			% DIST.	
	MALE	FEMALE	TOTAL	% DIST.			MALE	FEMALE	TOTAL		
				% DIST.	MALE	FEMALE	MALE	FEMALE	TOTAL		
0-4	233	186	419	14.0	1094	1051	2145	9.9	1327	1237	
5-9	201	165	366	12.2	1046	1005	2051	9.5	1247	1170	
10-14	180	158	338	11.3	1039	967	2006	9.3	1219	1125	
15-19	199	184	383	12.8	1100	983	2083	9.7	1299	1167	
20-24	141	157	298	10.0	949	869	1818	8.4	1090	1026	
25-29	90	114	204	6.8	827	820	1647	7.6	917	934	
30-34	46	97	143	4.8	1089	1030	2119	9.8	1135	1127	
35-39	61	83	144	4.8	1103	873	1976	9.2	1164	956	
40-44	33	77	110	3.7	845	594	1439	6.7	878	671	
45-49	44	68	112	3.8	662	429	1091	5.1	706	497	
50-54	45	52	97	3.2	617	411	1028	4.8	662	463	
55-59	27	45	72	2.4	420	346	766	3.5	447	391	
60-64	36	45	81	2.7	318	239	557	2.6	354	284	
65-69	38	29	67	2.2	220	191	411	1.9	258	220	
70+	84	74	158	5.3	253	172	425	2.0	337	246	
TOTAL	1458	1534	2992	100.0	11582	9980	21562	100.0	13040	11514	
									24554	200.0	



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1981

PROJECTION C (D<sub>L</sub>, F<sub>M</sub>, M<sub>M</sub>)

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
UNDER 1	44	38	82	2.71	222	213	434	1.96	266	250	516	2.05
1 - 4	173	138	310	10.25	856	828	1684	7.58	1029	965	1994	7.90
5 - 9	224	179	403	13.32	1101	1052	2153	9.69	1324	1232	2556	10.13
10 - 14	175	153	328	10.83	1034	970	2004	9.02	1208	1123	2332	9.24
15 - 19	202	182	384	12.68	1119	1002	2121	9.55	1321	1184	2505	9.92
20 - 24	151	163	315	10.40	1019	921	1940	8.74	1170	1085	2255	8.94
25 - 29	95	119	214	7.07	832	814	1646	7.41	927	933	1860	7.37
30 - 34	44	99	143	4.73	1066	1032	2098	9.45	1111	1131	2241	8.88
35 - 39	59	85	144	4.76	1138	928	2066	9.30	1197	1013	2210	8.76
40 - 44	33	78	111	3.67	905	650	1555	7.00	939	728	1667	6.60
45 - 49	39	70	109	3.60	683	449	1132	5.10	722	519	1241	4.92
50 - 54	45	54	99	3.27	643	419	1062	4.78	689	472	1161	4.60
55 - 59	28	44	72	2.39	449	366	815	3.67	477	410	887	3.52
60 - 64	34	46	80	2.64	334	253	586	2.64	368	298	666	2.64
65 - 69	37	31	68	2.24	232	203	435	1.96	269	234	503	1.99
70 +	90	76	165	5.46	274	202	476	2.14	364	278	641	2.54
Total	1473	1555	3028	100.00	11908	10301	22209	100.00	13381	11856	25237	100.00



PROJECTION D



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1972

PROJECTION D ( $D_L$ ,  $F_H$ ,  $M_H$ )

AGE GROUP	INDIAN			WHITE			TOTAL			% DIST.		
	MALE	FEMALE	TOTAL	% DIST.	MALE	FEMALE	TOTAL	% DIST.	MALE	FEMALE	TOTAL	
0-4	186	164	350	13.2	936	901	1837	11.0	1122	1065	2187	11.3
5-9	208	183	391	14.7	1022	932	1954	11.7	1230	1115	2345	12.1
10-14	166	176	342	12.9	917	835	1752	10.5	1083	1011	2094	10.8
15-19	122	137	259	9.8	631	628	1259	7.6	753	765	1518	7.9
20-24	91	113	204	7.7	817	824	1641	9.8	908	937	1845	9.6
25-29	101	97	198	7.4	1011	851	1862	11.2	1112	948	2060	10.7
30-34	66	87	153	5.8	875	640	1515	9.1	941	727	1668	8.6
35-39	58	77	135	5.1	652	439	1091	6.6	710	516	1226	6.3
40-44	65	63	128	4.8	625	399	1024	6.2	690	462	1152	6.0
45-49	48	50	98	3.7	481	365	846	5.1	529	415	944	4.9
50-54	40	50	90	3.4	370	266	636	3.8	410	316	726	3.8
55-59	40	37	77	2.9	288	218	506	3.0	328	255	583	3.0
60-64	40	30	70	2.6	208	126	334	2.0	248	156	404	2.1
65-69	29	29	58	2.2	131	53	184	1.1	160	82	242	1.2
70+	47	53	100	3.8	142	79	221	1.3	189	132	321	1.7
TOTAL	1307	1346	2653	100.0	9106	7556	16662	100.0	10413	8902	19315	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1973  
 PROJECTION D ( $D_L$ ,  $F_H$ ,  $M_H$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	% DIST.	MALE	FEMALE	TOTAL	% DIST.	MALE	FEMALE	TOTAL	% DIST.
0-4	195	169	364	13.3	972	939	1911	10.9	1167	1108	2275	11.2
5-9	208	179	387	14.2	1040	953	1993	11.4	1248	1132	2380	11.8
10-14	177	180	357	13.1	974	880	1854	10.6	1151	1060	2211	10.9
15-19	128	145	273	10.0	702	677	1379	7.9	830	822	1652	8.2
20-24	95	116	211	7.7	792	802	1594	9.1	887	918	1805	8.9
25-29	98	99	197	7.2	1041	913	1954	11.1	1139	1012	2151	10.6
30-34	75	88	163	6.0	954	715	1669	9.5	1029	803	1832	9.1
35-39	56	79	135	5.0	707	482	1189	6.8	763	561	1324	6.5
40-44	65	65	130	4.8	638	405	1043	6.0	703	470	1173	5.8
45-49	53	51	104	3.8	531	382	913	5.2	584	433	1017	5.0
50-54	40	50	90	3.3	390	292	682	3.9	430	342	772	3.8
55-59	39	41	80	2.9	306	227	533	3.0	345	268	613	3.0
60-64	40	30	70	2.6	222	148	370	2.1	262	178	440	2.2
65-69	33	29	62	2.3	141	61	202	1.1	174	90	264	1.3
70+	48	57	105	3.8	152	87	239	1.4	200	144	344	1.7
TOTAL	1350	1378	2728	100.0	9562	7963	17525	100.0	10912	9341	20253	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1974  
 PROJECTION D ( $D_L$ ,  $F_H$ ,  $M_H$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	206	176	382	13.6	1015	984	1999	10.9	1221	1160	2381	11.2
5-9	202	174	376	13.4	1047	966	2013	10.9	1249	1140	2389	11.3
10-14	188	183	371	13.3	1022	920	1942	10.6	1210	1103	2313	10.9
15-19	136	153	289	10.3	792	743	1535	8.4	928	896	1824	8.6
20-24	100	119	219	7.8	762	768	1530	8.3	862	887	1749	8.3
25-29	94	102	196	7.0	1059	967	2026	11.0	1153	1069	2222	10.5
30-34	86	89	175	6.3	1031	793	1824	9.9	1117	882	1999	9.4
35-39	55	81	136	4.9	773	534	1307	7.1	828	615	1443	6.8
40-44	63	68	131	4.7	645	414	1059	5.8	708	482	1190	5.6
45-49	57	53	110	3.9	583	397	980	5.3	640	450	1090	5.1
50-54	40	48	88	3.1	412	319	731	4.0	452	367	819	3.9
55-59	39	44	83	3.0	323	235	558	3.0	362	279	641	3.0
60-64	40	31	71	2.5	237	171	408	2.2	277	*202	479	2.3
65-69	35	28	63	2.2	152	73	225	1.2	187	101	288	1.4
70+	52	59	111	4.0	161	94	255	1.4	213	153	366	1.7
TOTAL	1393	1408	2801	100.0	10014	8378	18392	100.0	11407	9786	21193	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1975

PROJECTION D ( $D_L$ ,  $F_H$ ,  $M_H$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	222	185	407	14.1	1069	1036	2105	10.9	1291	1221	2512	11.3
5-9	192	165	357	12.4	1043	969	2012	10.4	1235	1134	2369	10.7
10-14	197	184	381	13.3	1063	956	2019	10.5	1260	1140	2400	10.9
15-19	144	161	305	10.6	882	810	1692	8.8	1026	971	1997	9.0
20-24	106	123	229	8.0	751	747	1498	7.8	857	870	1727	7.8
25-29	90	105	195	6.8	1065	1005	2070	10.7	1155	1110	2265	10.2
30-34	94	91	185	6.4	1098	868	1966	10.2	1192	959	2151	9.7
35-39	56	82	138	4.8	844	594	1438	7.5	900	676	1576	7.1
40-44	61	71	132	4.6	660	429	1089	5.6	721	500	1221	5.5
45-49	61	55	116	4.0	629	409	1038	5.4	690	464	1154	5.2
50-54	42	47	89	3.1	440	346	786	4.1	482	393	875	4.0
55-59	39	46	85	3.0	342	246	588	3.1	381	292	673	3.1
60-64	40	32	72	2.5	252	191	443	2.3	292	223	515	2.3
65-69	37	28	65	2.3	163	88	251	1.3	200	116	316	1.4
70+	56	62	118	4.1	172	102	274	1.4	228	164	392	1.8
TOTAL	1437	1437	2874	100.0	10473	8796	19269	100.0	11910	10233	22143	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1976

PROJECTION D (D<sub>L</sub>, F<sub>H</sub>, M<sub>H</sub>)

AGE GROUP	INDIAN				WHITE				TOTAL			
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
UNDER 1	49	42	91	3.11	234	226	460	2.28	284	268	552	2.39
1 - 4	192	155	347	11.81	902	872	1774	8.81	1094	1027	2122	9.19
5 - 9	176	155	331	11.25	1025	963	1988	9.87	1201	1118	2319	10.04
10 - 14	203	184	387	13.16	1098	987	2085	10.35	1301	1171	2472	10.70
15 - 19	154	168	322	10.94	959	866	1825	9.06	1112	1035	2147	9.30
20 - 24	113	128	241	8.19	771	753	1524	7.57	884	882	1765	7.64
25 - 29	88	108	196	6.66	1061	1023	2083	10.34	1149	1131	2279	9.87
30 - 34	99	93	192	6.51	1151	938	2090	10.37	1250	1031	2281	9.88
35 - 39	59	84	143	4.85	916	658	1575	7.81	975	742	1717	7.44
40 - 44	58	73	132	4.47	690	453	1144	5.68	749	526	1275	5.52
45 - 49	63	57	120	4.08	665	419	1083	5.37	726	477	1203	5.21
50 - 54	44	47	90	3.07	473	369	842	4.18	517	416	932	4.04
55 - 59	39	48	87	2.95	362	* 261	623	3.09	401	309	710	3.07
60 - 64	39	33	72	2.46	208	476	2,36	3.06	242	548	2,37	
65 - 69	38	28	66	2.24	175	106	281	1.39	213	134	347	1.50
70+	61	65	125	4.25	186	111	297	1.47	247	175	422	1.83
Total	1475	1467	2942	100.00	10933	9216	20148	100.00	12408	10682	23090	100.00



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1977

PROJECTION D ( $D_L$ ,  $F_H$ ,  $M_H$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
0-4	252	203	455	15.1	1182	1140	2322	11.0	1434	1343	2777	11.6
5-9	176	153	329	10.9	1042	987	2029	9.6	1218	1140	2358	9.8
10-14	202	179	381	12.7	1113	1004	2117	10.3	1315	1183	2498	10.4
15-19	165	174	339	11.3	1024	916	1940	9.2	1189	1090	2279	9.5
20-24	119	135	254	8.4	819	784	1603	7.6	938	919	1857	7.7
25-29	89	110	199	6.6	1047	1023	2070	9.8	1136	1133	2269	9.4
30-34	100	95	195	6.5	1192	1003	2195	10.4	1292	1098	2390	9.9
35-39	65	85	150	5.0	990	728	1718	8.2	1055	813	1868	7.8
40-44	56	75	131	4.3	734	487	1221	5.8	790	562	1352	5.6
45-49	63	60	123	4.1	687	428	1115	5.3	750	488	1238	5.2
50-54	47	47	94	3.1	513	389	902	4.3	560	436	996	4.1
55-59	39	48	87	2.9	382	281	663	3.1	421	329	750	3.1
60-64	39	36	75	2.5	282	220	502	2.4	321	256	577	2.4
65-69	38	27	65	2.2	188	136	324	1.5	226	163	389	1.6
70+	66	67	133	4.4	199	116	315	1.5	265	183	448	1.9
TOTAL	1516	1494	3010	100.0	11394	9642	21036	100.0	12910	11136	24046	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1978  
 PROJECTION D ( $D_L$ ,  $F_H$ ,  $M_H$ )

AGE GROUP	INDIAN			WHITE.			TOTAL			% DIST.		
	MALE	FEMALE	TOTAL	% DIST.	MALE	FEMALE	TOTAL	% DIST.	MALE	FEMALE	TOTAL	% DIST.
0-4	258	207	465	15.1	1221	1176	2397	10.9	1479	1383	2862	11.4
5-9	180	155	335	10.9	1071	1020	2091	9.5	1251	1175	2426	9.7
10-14	196	173	369	12.0	1118	1014	2132	9.7	1314	1187	2501	10.0
15-19	178	179	357	11.6	1085	964	2049	9.4	1263	1143	2406	9.6
20-24	126	143	269	8.7	890	832	1722	7.9	1016	975	1991	8.0
25-29	93	113	206	6.7	1021	1001	2022	9.2	1114	1114	2228	8.9
30-34	97	97	194	6.3	1222	1066	2288	10.4	1319	1163	2482	9.9
35-39	75	87	162	5.3	1068	803	1871	8.5	1143	890	2033	8.1
40-44	54	77	131	4.2	788	530	1318	6.0	842	607	1449	5.8
45-49	62	124	186	4.0	699	434	1133	5.2	761	496	1257	5.0
50-54	51	48	99	3.2	562	407	969	4.4	613	455	1068	4.3
55-59	39	47	86	2.8	401	306	707	3.2	440	353	793	3.2
60-64	38	39	77	2.5	299	228	527	2.4	337	267	604	2.4
65-69	38	26	64	2.1	201	160	361	1.7	239	186	425	1.7
70+	72	71	143	4.6	215	129	344	1.6	287	200	487	2.0
TOTAL	1557	1524	3081	100.0	11861	10070	21931	100.0	13418	11594	25012	100.0



## PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1979

PROJECTION D ( $D_L$ ,  $F_H$ ,  $M_H$ )

AGE GROUP	INDIAN			WHITE			TOTAL			% DIST.		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL			
0-4	258	207	465	14.8	1250	1203	2453	10.8	1508	1410	2918	11.2
5-9	191	162	353	11.2	1114	1064	2178	9.5	1305	1226	2531	9.7
10-14	187	165	352	11.2	1118	1021	2139	9.4	1305	1186	2491	9.6
15-19	190	183	373	11.9	1138	1008	2146	9.4	1328	1191	2519	9.7
20-24	133	151	284	9.0	973	892	1865	8.2	1106	1043	2149	8.3
25-29	98	116	214	6.8	996	971	1967	8.6	1094	1087	2181	8.4
30-34	92	100	192	6.1	1239	1120	2359	10.3	1331	1220	2551	9.8
35-39	85	88	173	5.5	1145	880	2025	8.9	1230	968	2198	8.5
40-44	53	79	132	4.2	851	582	1433	6.3	904	661	1565	6.0
45-49	60	65	125	4.0	707	443	1150	5.0	767	508	1275	4.9
50-54	55	50	105	3.3	614	420	1034	4.5	669	470	1139	4.4
55-59	39	46	85	2.7	421	335	756	3.3	460	381	841	3.2
60-64	38	42	80	2.5	317	237	554	2.4	355	279	634	2.4
65-69	37	27	64	2.0	214	180	394	1.7	251	207	458	1.8
70+	77	72	149	4.8	232	149	381	1.7	309	221	530	2.1
TOTAL	1593	1553	3146	100.0	12329	10505	22834	100.0	13922	12058	25980	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1980  
 PROJECTION D (D<sub>L</sub>, F<sub>H</sub>, M<sub>H</sub>)

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE		FEMALE	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL			
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	TOTAL			
0-4	251	202	453	14.1	1262	1216	2478	10.4	1513	1418	2931	10.9
5-9	210	173	383	11.9	1174	1121	2295	9.7	1384	1294	2678	9.9
10-14	179	158	337	10.5	1119	1030	2149	9.0	1298	1188	2486	9.2
15-19	199	184	383	11.9	1179	1043	2222	9.3	1378	1227	2605	9.7
20-24	142	159	301	9.4	1059	955	2014	8.5	1201	1114	2315	8.6
25-29	104	120	224	7.0	987	952	1939	8.2	1091	1072	2163	8.0
30-34	88	103	191	5.9	1244	1158	2402	10.1	1332	1261	2593	9.6
35-39	93	90	183	5.7	1212	956	2168	9.1	1305	1046	2351	8.7
40-44	54	80	134	4.2	921	641	1562	6.6	975	721	1696	6.3
45-49	58	68	126	3.9	721	457	1178	5.0	779	525	1304	4.8
50-54	59	52	111	3.4	659	432	1091	4.6	718	484	1202	4.5
55-59	40	45	85	2.6	447	362	809	3.4	487	407	894	3.3
60-64	38	45	83	2.6	335	248	583	2.5	373	293	666	2.5
65-69	37	29	66	2.0	227	195	422	1.8	264	224	488	1.8
70+	83	73	156	4.9	252	175	427	1.8	335	248	583	2.2
TOTAL	1635	1581	3216	100.0	12798	10941	23739	100.0	14433	12522	26955	100.0



PROJECTED POPULATION BY ETHNIC, SEX AND AGE FOR THE YUKON TERRITORY, 1981  
 PROJECTION D ( $D_L, F_H, M_H$ )

AGE GROUP	INDIAN			WHITE			TOTAL					
	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.	MALE	FEMALE	TOTAL	%DIST.
UNDER 1	48	41	89	2.71	259	249	508	2.06	307	290	597	2.14
1 - 4	186	149	335	10.21	994	962	1956	7.94	1180	1111	2291	8.20
5 - 9	237	191	428	13.06	1254	1195	2449	9.94	1492	1386	2877	10.30
10 - 14	174	153	328	9.99	1127	1045	2172	8.81	1301	1198	2500	8.95
15 - 19	202	182	384	11.70	1205	1068	2273	9.22	1407	1250	2657	9.51
20 - 24	151	166	317	9.67	1138	1014	2152	8.73	1289	1181	2469	8.84
25 - 29	111	126	236	7.21	1004	956	1960	7.95	1115	1081	2196	7.86
30 - 34	87	105	192	5.86	1240	1175	2415	9.80	1327	1281	2607	9.34
35 - 39	98	91	189	5.77	1265	1026	2291	9.29	1363	1117	2480	8.88
40 - 44	57	82	139	4.24	993	706	1699	6.89	1050	788	1838	6.58
45 - 49	56	70	126	3.84	750	482	1232	5.00	806	552	1358	4.86
50 - 54	61	54	115	3.50	692	442	1135	4.60	753	496	1249	4.47
55 - 59	42	44	87	2.64	480	384	864	3.50	522	449	950	3.40
60 - 64	38	46	84	2.55	353	263	616	2.50	391	309	700	2.51
65 - 69	37	31	67	2.06	241	203	449	1.82	277	239	516	1.85
70+	88	75	164	4.99	273	205	477	1.94	361	280	641	2.30
Total	1673	1606	3280	100.00	13267	11381	24648	100.00	14940	12987	27928	100.00





